E CHEMIST and DRUGGIST JANUARY 13, 1945

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

stablished 1859 28 Essex Street, Strand, London, W.C.2. Registered as a Newspaper

. 3388
L. CXLIII JANUARY 13, 1945 Annual Subscription (with Diary) 25/- Single Copies 9d.

Announcing

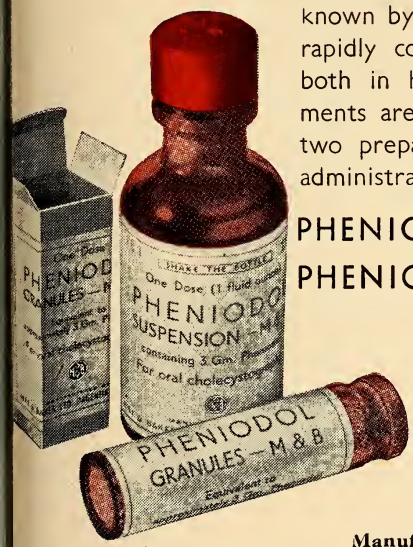
MAY & BAKER PREPARATIONS OF

PHENIODOL

for cholecystography

The new contrast medium for cholecystography, known by the pharmacopoeial name of Pheniodol, is rapidly coming into extensive use by radiologists, both in hospital and private practice. Announcements are appearing in the medical journals of our two preparations for the palatable and convenient administration of this agent

PHENIODOL GRANULES — M & B
PHENIODOL SUSPENSION — M & B



Full particulars regarding these products are available on request.

Pheniodol granules—M & B are supplied in single tubes and in boxes of six, each containing the equivalent of three grammes.

Pheniodol suspension—M & B is supplied in bottles of one fluid ounce and six fluid ounces containing 3 grammes per fluid ounce.

Manufactured by

MAY & BAKER LTD.

Distributors

ARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM

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Monsanto Make

ACETYLSALICYLIC ACID B.P.
ASPIRGRAN
BENZOIC ACID B.P.
CARBOLIC ACID (PURE PHENOL)
CRESANTOLS
CRESOL B.P.
DIETHYL PHTHALATE
DISINFECTANTS
LYSOL—MONSANTO
METHYL SALICYLATE B.P.
P.C.M.C. (CHLOROCRESOL B.P.)
P.C.M.X. (CHLOROXYLENOL B.P.)
PHENACETIN B.P.
PHENOLPHTHALEIN B.P.
SALICYLIC ACID B.P.
SODIUM BENZOATE B.P.
SODIUM SALICYLATE B.P.
VANILLIN—MONSANTO

Many of these products are either controlled or subject restriction arising from control of raw material. The conditions may vary, but, subject to such restrictions, shall be glad to discuss availability and prices with consume giving the best advice we can on the current conditio

MONSANTO CHEMICALS LIMITE
RUABON WREXHAM DENBIGHSHIRE

M.1004 Tel.: Ruabon 3191

A USEFUL VITAMINS A and D PREPARATION

"Adexolin" contains in small bulk, relatively large amounts of vitamins A and D, and can even be given to acutely ill patients without causing digestive upset. Its value to the expectant mother is widely accepted, while it has shown its usefulness in the prophylaxis and treatment of respiratory infections. "Adexolin" is of great value in the treatment of many conditions where the patient's general tone and powers of resistance need to be improved and maintained.

Each c.c. contains vitamin A 12,000 i.w. and vitamin D (calciferol) 2,000 i.w.

ADEXOLIN

½ oz., 2 oz., *8 oz.
**Dispensing Size only.*

PRODUCT OF THE GLAXO LABORATORIES

GL

GLAXO LABORATORIES LTD. GREENFORD, MIDDX. BYRon 3434

They can't miss it!

Knowledge of the great nutritive value of cod liver oil is spreading rapidly. Already more people are taking cod liver oil regularly than ever before, and the demand increases month by month — proof positive of the wide influence of SevenSeaS advertising.

This winter new, humanly-presented advertising is appearing in national dailies, local papers and all the most widely read women's magazines, religious, medical and educational journals. A still wider public will realise that this highly concentrated food, considered so important for under-fives, because of its richness in vitamins A and D, also helps over-fives and adolescents to develop healthy bodies capable of resisting infection. More adults will discover what a fine antidote it is to fatigue and the common cold. Display SevenSeaS in your window and on your counter. The more you remind your customers that you stock this well-advertised product, the bigger your share of the rapidly rising sales.

There's no hold-up on supplies of bottled oil and orders can be despatched without delay. Government priorities restrict the manufacture of capsules, but available supplies are distributed as fairly as possible through wholesalers.

STANDARD OIL: Vitamin A 20,000 *I.U.; Vitamin D* 2,500 *I.U. per ounce.*
CONCENTRATED: Vitamin A 60,000 *I.U. Vitamin D* 6,000 *I.U. per ounce.*

Issued by

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.
ST. ANDREW'S DOCK, HULL

Makers of

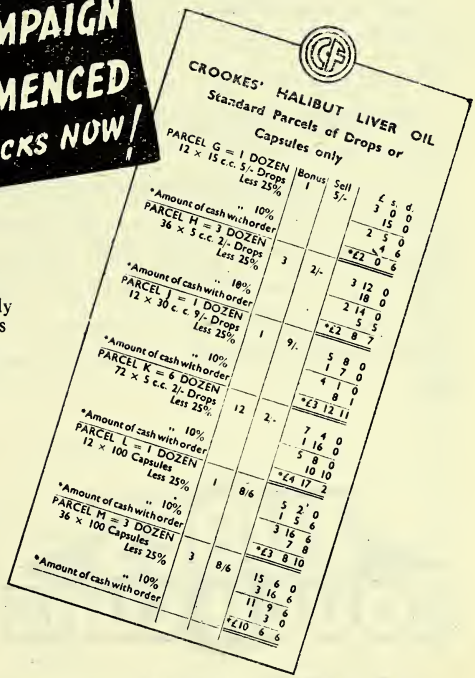
SevenSeaS

Crookes' Halibut Oil

— a drop instead of a spoonful —

NATIONAL WINTER ADVERTISING CAMPAIGN HAS NOW COMMENCED

—ORDER STOCKS NOW!



CROOKES' HALIBUT LIVER OIL
Standard Parcels of Drops or Capsules only

	Bonus	Sell	£ s. d.
PARCEL G = 1 DOZEN 12 × 15 c.c. 5/- Drops Less 25%	1	5/-	3 0 0
*Amount of cash with order .. 10%			15 0
PARCEL H = 3 DOZEN 36 × 5 c.c. 2/- Drops Less 25%	3	2/-	2 5 0
*Amount of cash with order .. 10%			5 4 6
			*£3 0 6
PARCEL J = 1 DOZEN 12 × 30 c.c. 9/- Drops Less 25%	1	9/-	3 12 0
*Amount of cash with order .. 10%			18 0
			2 14 0
			5 5
			*£2 8 7
PARCEL K = 6 DOZEN 72 × 5 c.c. 2/- Drops Less 25%	12	2/-	5 8 0
*Amount of cash with order .. 10%			1 7 0
			4 8 0
			8 1
			*£3 12 11
PARCEL L = 1 DOZEN 12 × 100 Capsules Less 25%	1	8/6	7 4 0
*Amount of cash with order .. 10%			1 16 0
			5 8 0
			10 10
			*£4 17 2
PARCEL M = 3 DOZEN 36 × 100 Capsules Less 25%	3	8/6	5 2 0
*Amount of cash with order .. 10%			1 5 6
			3 16 6
			7 8
			*£3 8 10
			15 6 0
			3 16 6
			11 9 6
			1 3 0
			*£10 6 6

TERMS OF SUPPLY

1. Bonus in kind will be allowed only when one or more standard parcels G, H, J, K, L, M are ordered.
2. The order must be accompanied by cash. No pro-forma invoices can be issued.
3. Orders for broken parcels or unaccompanied by cash will not be entitled to bonus in kind.
4. Bonus in kind cannot be allowed on any other Halibut Oil Products.
5. We must reserve the right to restrict the number of parcels supplied to any one establishment and thereby, as far as possible, ensure fair distribution.

THE CROOKES LABORATORIES *(British Colloids Ltd.)* **PARK ROYAL, LONDON, N.W.10**

Phone: Elgar 6313 (5 lines) *Telegrams: Collosols, Harles, London*

A Family Friend in millions of homes

There's always a need for Zubes Cough Cure for some member of the family when cold and damp days come along. Pleasant to take—a great favourite with the children—its results are both effective and speedy.

That means consistent *repeat* sales all through the winter—and the spring too, if bad weather makes colds linger on. Don't miss your share of the big profits that Zubes Cough Cure brings. Strong advertising, week after week, all through the season, will keep the demand high.

ZUBES COUGH CURE

Retailing at **1/3d. and 2/5**

made by
F. W. HAMPSHIRE & Co. Lt
Manufacturing Chemists
DERBY
(Makers of the famous Zubes

The BEAT.. BEAT.. BEAT...

OF CONSTANT ADVERTISING..

creates a steady demand

for

Cephos REGD

Pronounced See-foss

THE PHYSICIANS' REMEDY

3 Powders or 16 Tablets 1/3 || Single
1 „ 42 „ 3/- || Dose 2d.

(Including Purchase Tax)

Cephos Ltd., Blackburn PATA

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British Schering Products

NO LACK OF DEMAND
NO LACK OF SUPPLY

With few exceptions our preparations are in full supply. They are produced in our own British Manufacturing Laboratories after elaboration in our own British Research Laboratories.

Order direct if you please, and we will invoice through your usual wholesaler.

British Schering Price List will be sent on receipt of a penny stamp (paper restrictions).

BRITISH SCHERING LIMITED
185-190 High Holborn London W.C.1

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Improved Pack!

URILLAC

NOW IN TWO SIZES

8½d. for 12 tablets

1/5d. for 25 tablets

including tax.

Display these attractive new packs on your counter and reap the benefit from our consistent advertising and growing sales.

THE URILLAC COMPANY LIMITED RAWDON, LEEDS

"I know it is difficult"

Your customers continually ask for **SILATEX** and **SANTRON** and yet you cannot obtain sufficient supplies to meet the demand. We are doing our best to arrange distribution to wholesalers so that all Chemists obtain their fair share. The demand is ever increasing but the shortage of raw material is a matter we know you will understand.
There is no shortage of **RENDELLS** or **MENSINOLE** and all Wholesalers now have ample stocks, so continue to display Rendells Products for Feminine Hygiene. It creates new customers and gives confidence to regular users.
Special Chemists' Display Material is still available, so write to-day for a supply.

RENDELLS
SILATEX
SANTRON
MENSINOLE

RENDELLS PRODUCTS

P.A.T.A.

For Feminine Hygiene

W. J. RENDELL LTD. HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON E.C.1

War-time production means the marshalling of the whole of the resources of men, material and equipment.

In their own sphere COX of BRIGHTON are still playing their part, and despite the extra varying demands of the National effort, they are continuing to serve their Pharmacist friends by maintaining supplies and providing a fair and equitable distribution of their products.

ARTHUR H. COX & CO., LTD. BRIGHTON

MANUFACTURING CHEMISTS FOR OVER A CENTURY

G.P.

GENATOSAN

MEDICATED WATER-MISCIBLE CREAMS

The following price adjustments come into force on February 1st, 1945:

	Size	Retail (Incldg. Tax)	P.T.	Wholesale (Tax extra)
'CUPRAGEN' Cream (No. 5)	2 oz.	2/-	2/4 doz.	14/- doz.
	1 lb.	-	11d. lb.	5/6 lb.
	5 lb.	-	10d. lb.	5/- lb.
WINTERGREEN Cream (No. 18)	2 oz.	2/-	2/4 doz.	14/- doz.
	4 oz.	3/9	4/6 doz.	27/- doz.
	1 lb.	-	11d. lb.	5/6 lb.
	5 lb.	-	10d. lb.	5/- lb.

Stock on hand must be sold at the prices ruling when invoiced.

Orders for new 4 oz. size of Wintergreen Cream may be forwarded now for delivery after January 31st.

GENATOSAN LTD., LOUGHBOROUGH, LEICESTERSHIRE.

Telephone: Loughborough 2292.

MANUFACTURERS OF

TABLETS

AND

PILLS

For the Pharmaceutical Trade

Richard Daniel & Son Ltd. Derby.

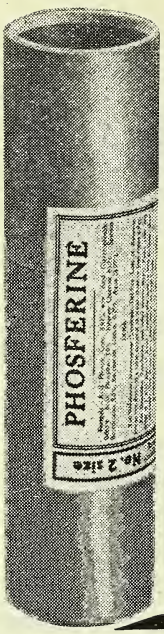
'Phone: Derby 4266-7-8. *'Grams:* Dania Derby

WORLD'S LARGEST SELLER!

EX-LAX

IS *THE ORIGINAL* CHOCOLATE LAXATIVE

BACKED BY 35 YEARS' EXPERIENCE



PHOSFERINE

TABLETS and LIQUID

Phosferine is everyone's Tonic. The incalculable benefits to be derived from it are known all over the world. Continuous advertising is constantly creating new demands and today, when the benefits of Phosferine are being appreciated to a greater extent than ever, this helpful publicity is bringing you business which promotes Goodwill.

Keep up your stocks — and keep up your profits

PHOSFERINE (Ashton & Parsons) Ltd., Phosferine Laboratories, King George's Avenue, Watford, Herts.

A Real Analgesic Alkaliser

This is the formula of Neodex Seltzer:

Lithii Benzoas	3
Acidum Acetylsalicylicum	10
Acidum Citricum	34
Sodii Bicarbonas	to 100

Every pharmacist will appreciate how confidently he can recommend it for Headaches, Digestive Troubles and many types of Rheumatic and Neuralgic pains. There is no product on the market with the same combination of properties. It is *not* a laxative.

NEODEX SELTZER

CHEMISTS FORMULA

INTERNATIONAL LABORATORIES LTD. P.A.T.A.

Charlbury - Oxford

THIS TRADE MARK is a sign of steady sales all-the-year round. E.N.T. Powders and Capsules are profitable lines.

Ask for samples and trade terms. P.A.T.A.

E.N.T. Manufacturing Co. Ltd.
431 Gloucester Road, Bristol 7

NERVE POWDERS E.N.T. TRADE MARK REG.

Leath & Ross's

Homœopathic Pilules and Tinctures now retail at **1/-** and **2/-** per vial

NALDEK

OINTMENT FOR PILES

ANTISEPTIC . EMOLLIENT . ASTRINGENT

An efficient remedy for the speedy relief of Piles.
NALDEK OINTMENT is packed in one size only.
Retail Price, including tax: 4/-.
TERMS: NALDEK OINTMENT, 32/- per dozen. Purchase Tax, 5/4d.
Advertising now appearing in National and Provincial Press.
Attractive Counter Sign available. Write for details.

DR. VAN VLECK COMPANY LTD., 3 Fleet Lane, London, E.C.4.

etails at the reasonable price of 1/6 nc. tax) yet shows you up to 5/2½d. er doz. profit, even on small uantities, when ordered ith other Griffiths ughes' lines.

KARSODRINE

A WINTER 'BEST SELLER'!

At the moment, supplies of KARSODRINE Inhaler are reasonably adequate and the line has only to be displayed to melt into immediate sales.

The KARSODRINE pocket inhaler (containing Amphetamine) affords prolonged relief in cases of Nasal Catarrh, Head Colds, Sinusitis and all forms of nasal congestion. Can be carried in the pocket or handbag and, by the removal of only one cap, is immediately ready for use.

In the Karsodrine formula, the Amphetamine is combined with bland antiseptic vapours which give immediate and prolonged relief and comfort to the user.

Be prepared for ready winter sales.

Each Karsodrine Inhaler contains: Amphetamine 0.330 grm.; Cineole 0.093 grm.; Ol. Citronell 0.026 grm.; Methyl Salicyl. 0.023 grm.; Ol. Cedri 0.005 grm.; Menthol 0.049 grm.; Ol. Eucalypt. 0.089 grm.

E. GRIFFITHS HUGHES LTD. 7 Adelphi, Salford 3, Manchester P.A.T.A.

TWO LINES IN STEADILY GROWING DEMAND

BABLETS

(Baby's Own Tablets)

For Teething Troubles and other Simple Ailments of Infants and Children.

Laxative · Comforting · Digestive

Retail Price **1s. 5d.** inc. Tax

PINKETTES

'The Liver Pill You Need"

For Sluggish Liver, Constipation, Biliousness, Dizziness Sick Headaches, Offensive Breath, Coated Tongue

The Laxative you can confidently recommend

Retail Price **1s. 5d.** inc. Tax

P.A.T.A.

Regularly Advertised · Do not lose sales · Get in a stock at once · You run no risk, as sale is guaranteed . Your Wholesaler can supply

G. T. FULFORD CO., LTD. (of Canada), 8 Royston Park Road, Hatch End, Middlesex

---

PEROX CHLOR

Keene's Laboratories Limited will be glad if chemists who were selling Perox Chlor before the war and who now have a difficulty in getting reasonable supplies will write direct to their office at 46 Elswick Rd., Newcastle-on-Tyne 4

We manufacture . . . every variety of

COMPRESSED TABLETS

We can give deliveries on time and invite enquiries

for the Manufacturing & Wholesale Drug Trade

The DALES ASPIRIN CO. (PROPRIETOR: H. A. TOUKIEN)

SILSDEN, Nr. KEIGHLEY, Yorks

A FIRST-CLASS SELLING LINE..

ORIGINAL PACK

It's RIGHT. It's a CALTHORPE PRODUCT

NATURE'S RESTORATIVE

NEW PACK
No Bottle Charge
No Returned Empties.

NON-ALCOHOLIC
Suitable for children and adults.

5/- large bottle & 3/- small bottle

WAR-TIME PACK

VIRONITA
VYRO-NIGHT-A
M. CALTHORPE & CO., LTD., Mfg. Chemists, OSSETT

10% DISCOUNT OFFERED ON A £2 PARCEL OF

PINEOLEUM Brand INHALANT

The Inhalant to curb a cold and ease its distress

The above sent Carriage Paid Home—short term offer direct from the agents against *pro forma* invoice.

	Pre-Tax Retail Price	Suggested Retail Price with P. Tax
PINEOLEUM BRAND NEBULIZER OUTFIT (Plain and with Ephedrine)		
Outfit, complete with inhalant in carton 45/- per doz. ..	5/- ..	5/7½
PINEOLEUM BRAND INHALANT (Plain and with Ephedrine)		
100 c.c. bottle in carton .. .. 45/- per doz. ..	5/- ..	5/7½
15 c.c. bottle with dropper .. 13/6 ,, ,, ..	1/6 ..	1/8½
(Packed in ½ doz. Display Boxes)		
PINEOLEUM BRAND EPHEDRINE JELLY		
Collapsible tubes with applicator .. 11/3 ,, ,, ..	1/3 ..	1/5
(Packed in ½ doz. Display Boxes)		

CHEMISTS' CF FORMULA

Apply direct to the sole distributors in Great Britain and Northern Ireland:

The CHESEBROUGH MANUFACTURING Co., Ltd., Victoria Rd., Willesden, N.W.10

"The position has deteriorated"

Four words of stark realism, relieved only by their candour. They sum up our crisis in respect of empty Ribena bottles.

Notwithstanding a great volume of active co-operation, both by retailers and wholesalers, we are not getting enough empties back.

Our despatches are far short of your demands, just when children and invalids need Ribena most.

May we make an urgent appeal to every chemist to help in tiding over this anxious phase?

Your own few bottles added to the few from hundreds of other chemists will tip the scale in the right direction.

We can send out much more Ribena as soon as we have bottles to put it in.

Help us to help you. Thank you.

Ribena
BLACKCURRANT SYRUP

H. W. Carter & Co., Ltd., The Old Refinery, Bristol, 2

CODOFORME BOTOL

TABLETS

(Indicated in all types of dry cough)

Owing to circumstances beyond our control, we regret that CODOFORME BOTOL has been in short supply, but we are now pleased to advise you that this preparation

IS AGAIN AVAILABLE
IN PACKINGS OF 20 AND 250 TABLETS

If any difficulty is experienced in obtaining supplies through the normal trade channels, you are invited to communicate with us.

CONTINENTAL LABORATORIES LTD.
101 GREAT RUSSELL STREET, LONDON, W.C.1
Telephone: MUSEUM 2042/3

MANOIDS
NEVROIDS
URICURE TABLETS
OCCASIONAL PILLS
THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY.
and all Sundries Houses.

BLYTON ASTLEY & CO., LTD.
Eagle Laboratories
LOWER BROUGHTON, MANCHESTER
thank their customers for their patience and forbearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased.

BE63
ELMBALM *Brand*
SPECIALITIES
● In steady demand ● Stocks available
● Dont miss Sales
For Special Terms write: Elmbalm Pharmaceutical Specialities Co., Knott-End-on-Sea, Lancs.

NEPENTHE
THE SAFEST AND BEST PREPARATION OF OPIUM
The word "Nepenthe" is registered under the Trade Marks Act, and is our exclusive property. No Substitute may be dispensed when "Nepenthe" is ordered in a prescription. "Nepenthe" comes within the regulations of the Dangerous Drugs Act, 1920.
FERRIS & COMPANY, LIMITED, BRISTOL

MILLAMALT
The VITAMIN MALT FOOD
With Vitamins (A–2,000 I.U.: D–140 I.U.) per fl. oz.
Sole Manufacturers.
JEFFREYS MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N.19

SURE-SELLING STOCK!
OVER 150 YEARS REPUTATION
KEARSLEY'S
THE ORIGINAL
WIDOW WELCH'S FEMALE PILLS
9d. BOX PROFIT by ordering 1 dozen 2/10 size. Bonus box given on every dozen (13). It pays to push this size.
C. & G. KEARSLEY LTD.
71 DARTMOUTH RD., LONDON, S.E.23
Established 1787 In the Reign of King George III

FRAGRANT TONIC HAIR CREAM
MAKES THE HAIR BEHAVE
MY LADY'S VANISHING CREAM
For loveliness and charm—Delicately perfumed.
Setting Lotion, Solid Brilliantine, Brilliantine, Cold Cream, Cleansing Cream, Antiseptic Balm.
LABELS FOR THESE LINES—6/- per gross.
PERFUME — COLOURING — BOTTLES — JARS.
EMULSIFIERS—Needing hot water only to give excellent preparations as above. Send stamp for details to—
BRICCAS LIMITED
4 CAVENDISH PLACE, LONDON, W.1

A Splendor Line
you ought to stock
An excellent formula
—a striking pack
—a rapid seller
and steadily advertised.
6½d., 1/5 and 2/6 Inc. P. Tax
Prompt delivery from all wholesalers or direct from
SPLENDOR LTD.
LONDON and NOTTINGHAM
PROPAX
DOUBLE POWER
TABLETS
KILL PAIN QUICKEST!

Hurrah for Spa (Regd)

"Hurrah for Spa" is the theme slogan of our 1945 advertising—in nationals, provincials, and general and women's magazines. It exactly describes the feelings of those who are lucky enough to be able to buy a "Spa" Toothbrush in these days of restricted production.

You cannot sell a better toothbrush than "Spa"

NYLON
Two Shapes: Long and Short head.
Two Grades: Medium and Hard.
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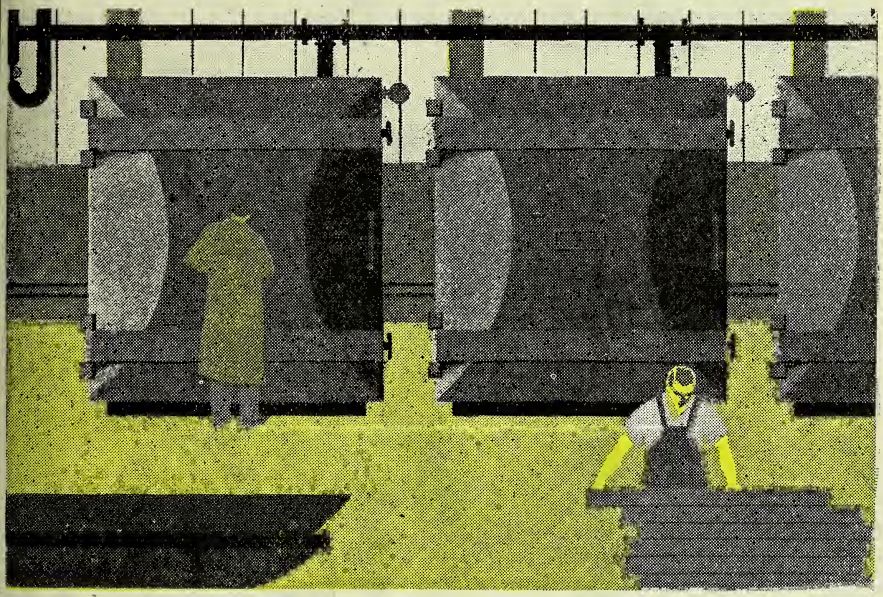

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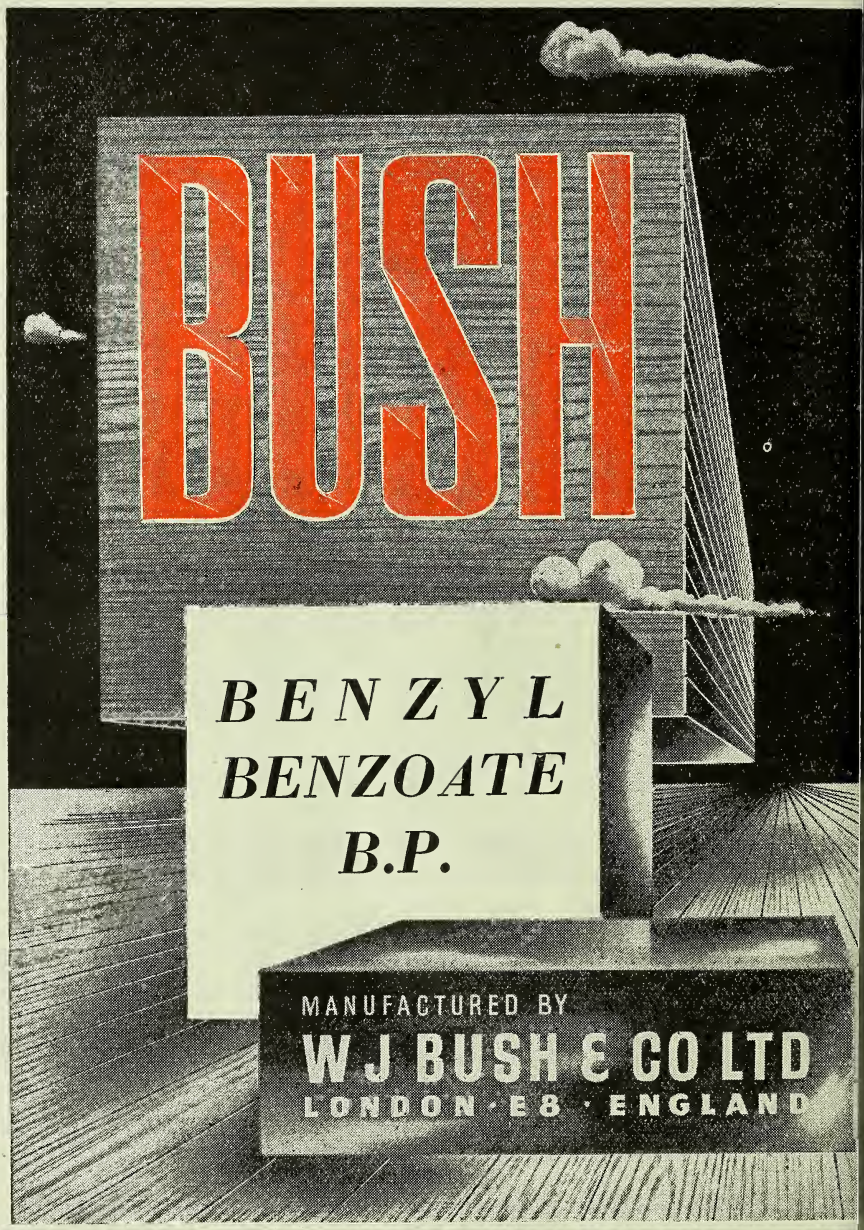
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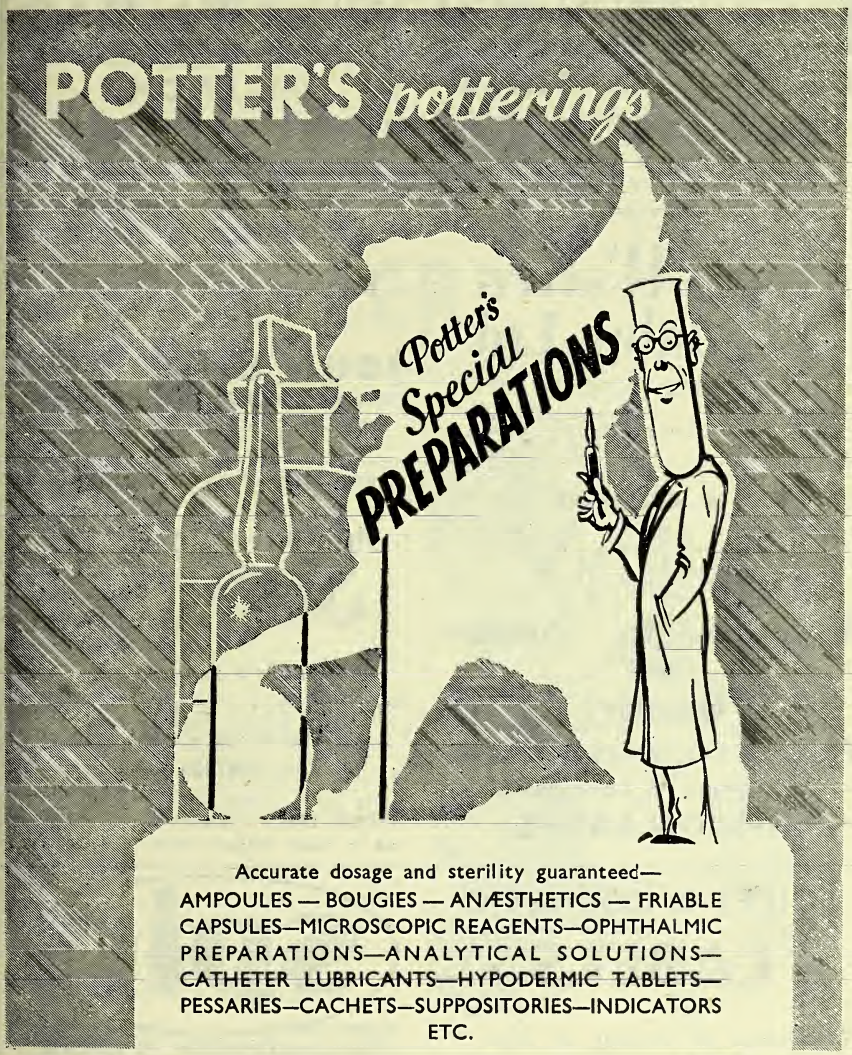

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NEWS OF THE WEEK

Shop Unions Merger Proposals.—Agreement has been reached between the executives of the National Union of Distributive and Allied Workers and the National Amalgamated Union of Shop Assistants, Warehousemen and Clerks upon a plan to amalgamate the two Unions. The combined body will be known as the Union of Shop, Distributive and Allied Workers. The proposals require ratification by the memberships of both Unions.

Anti-malarial Drugs in India.—Mr. L. S. Amery (Secretary for India) stated in the House of Commons recently that 491½ million tablets of synthetic anti-malarial drugs had been shipped to India in 1943. The shipments in 1944 at the time of his statement totalled 623½ million tablets, in addition to 1,000 lb. of totaquina. Quinine stocks in India in April 1944 were 244,000 lb. Indian pre-war production of quinine was 90,000 lb. year and was increasing. Pre-war consumption of quinine was about 200,000 lb. year and of synthetic anti-malarial drugs negligible.

Changes in Preservatives Regulations.—Under an Order in Council recently issued (S. R. & O., 1944, No. 1311), certain prohibitions contained in Regulations 4 and 11 of the Public Health (Preservatives, etc., in Food) Regulations, 1925, are relaxed. The effect is to allow the importation, or manufacture under licence issued by the Minister of Food, and subsequent sale of (i) meat which contains sulphur dioxide, (ii) margarine which contains borax, (iii) bacon which contains borax, (iv) dehydrated vegetables which contain sulphur dioxide, and (v) jam which contains sulphur dioxide in excess of the proportion specified in Part 1 of the First Schedule of the Regulations. The amendments made under paragraphs (i), (ii) and (iii) were already in effect under Statutory Rules and Orders, which have now been revoked.

Hull Literary Afternoon.—Hull Chemists' Association, at a recent meeting at which the president (Miss E. Palmer) was in the chair, heard short papers by Miss A. Etheridge on "Memories of Paris"; Mr.

E. Haworth Earle on Robert Browning's play, "King Victor and King Charles"; Mrs. J. S. Hall on "The Life and Work of Sean O'Casey," including a dialogue from "Juno and the Paycock," given with the assistance of Mr. K. Pocklington; and Mr. S. Wineroope on "The Revolutionary Novel." Mr. E. A. Brocklehurst proposed a vote of thanks, which was seconded by Mr. L. S. Selle.

Medical Supplies for Eire.—A further consignment of twenty-one tons of medical supplies for the Irish Red Cross Society has reached Cork from the United States.

Drug Addiction in Eire.—Criticising a Mental Treatment Bill which has been recently introduced in the Irish Parliament, the "Journal of the Medical Association of Eire" calls for official action for the control and treatment of drug addicts and alcoholics.

Christmas Hamper.—Former employees of Evans Sons Lescher & Webb, Ltd., Liverpool, who have been devoting spare time to making comforts and toys for foundlings and destitute children at the Royal Mount Children's Hospital, Liverpool, recently handed over, at the company's Speke factory, a large hamper of good things for the children.

Presentation to Director.—Mr. H. A. Potter, Ph.C., F.L.S., was entertained to dinner at the Great Eastern Hotel, London, on January 5, by members of the firm of Potter & Clarke, Ltd., on the occasion of his attaining fifty years' service with the company, of which he is chairman and managing director. The dinner was attended by managers of departments and by members of the staff who have served the company for twenty years or more. Mr. Potter was presented with a gold cigar case, suitably inscribed, the presentation being made by the oldest employee (Mr. Matthew Clarke), who entered the firm in 1887. Mr. W. Potter-Mackenrot (a nephew of Mr. Potter and a director of the company) presided at the function.

Wimbledon and Thames Valley.—Mr. Hugh N. Linstead (secretary of the Pharmaceutical Society) addressed a joint meeting of the Thames Valley and Wimbledon Branches of the Pharmaceutical Society, held on January 3, on "The White Paper and What is Expected of the Pharmacist." Mr. Linstead outlined the proposed health scheme, giving details of the various authorities and their functions. He pointed out pitfalls and dangers that might arise through changes in parliamentary and local politics, and discussed what would be expected of pharmacists under the scheme. The new standard for national dispensing, he urged, should be the same as for private dispensing, and plans should be ready for extending or enlarging existing dispensaries when the scheme was finally launched. Pharmacists alone could say of what a good pharmaceutical service should consist, and they must stand firm that the Ministry of Health should make adequate payment for it. The present lack of profit on drugs must be rectified and the possibility of retention fees explored. A long transitional period would occur before the scheme was fully workable, and during this period pharmacy would be turned upside down. He suggested that, while the pharmacist would be compelled to do some non-pharmaceutical work in order "to put some butter on his bread," so far as possible pharmacy proper should be separated from the selling counter. Many questions were put to and answered by the speaker.

Ulster Associates' Committee.—A meeting of the associates' committee of the Ulster Chemists' Association was held on December 28, 1944, Mr. W. H. Boyd (chairman) presiding. The chairman welcomed Mr. E. G. Mackle (recently co-opted apprentices' representative) and congratulated Mr. E. B. Williamson (the other apprentices' representative) on qualifying recently as a pharmaceutical chemist. A discussion ensued on the "industrial ten" coupons to purchase shop coats. It was agreed that it was unfair that chemists and their assistants should not receive coupons for this purpose and it was agreed that the associates should be informed on this matter. A letter was read from the secretary, Ulster Chemists' Association, advising that Messrs A. E. Johnston (president), T. A. Gibson (vice-president), J. McGregor and E. A. Richey had been appointed to represent the executive committee on the Joint Council of the Association, and the following representatives of the executive committee to attend meetings of the associates' committee by invitation: Messrs. R. W. Shinner and R. A. McEwen. The chairman and Mr. H. W. Gamble undertook to prepare a letter to associates asking them to encourage others to join the associates' section and a circular to non-associates inviting them to join. The recently published English wage scale was discussed, and it was decided that the chairman should write to the Editor of THE CHEMIST AND DRUGGIST expressing the committee's views and asking for information.

TOPICAL REFLECTIONS

"World Health"

The proposal that a "world health service" should be established under the auspices of the United Nations (p. 2) is not lacking in boldness. There is much to be said for the idea; and if the accumulated public health experience of the past thirty years is used as a basis, a workable system can no doubt be evolved. Standards of hygiene vary so widely that it may be better to envisage several types of health service rather than one academically unified type for the whole world. Certain conditions would need to be laid down as fundamental when the project took shape. Three may be mentioned. First, a minimum of regulation by governments: this, I think, would be insisted upon by the medical experts chosen from the countries concerned. Second, a modest plan of campaign at the outset. Some of the items in Dr. Parran's synopsis of his ambitious scheme, however desirable they may be, would presumably not be got into working order in less than twenty or thirty years. The kind of campaign I have in mind would also avoid publicity involving the use of cheap slogans likely to degenerate into catchwords. Third, flexibility in the application of scientific research. It is obvious that a form of procedure suited to the principal cities of Great Britain or the United States might not be equally relevant to the needs of, say, the Balkans or Burma. Planned internationally on such lines, organised health services might be linked in a world-wide system having all the advantages of diversity in unity.

Openings in Australia

The attractive account of opportunities in Queensland for enterprising pharmacists published by you about six months ago has brought a letter from the secretary of the Pharmaceutical Association of Australia and New Zealand (p. 26), cautioning your British readers against over-optimism in this matter. The old rule, "audi alteram partem," is a sound one, and your correspondent's letter will certainly have weight with those to whom it is primarily addressed. One factor not mentioned by him is, I suggest, worth consideration—the population problem in Australia, where the birth-rate is declining. It appears from a recent article in "The Times" that the Australian National Health and Medical Research Council has invited women to correspond with the director-general of health on this subject: in the result, he has made an analysis of the 1,400 replies received. The general impression left by these letters, he reported, was that Australian women were limiting their families owing to lack of homes, lack of domestic help, lack of security (by which word they meant the elimination of fear of want and fear of war), and lack of faith that any of these shortcomings would be remedied. The director-general added that, in his opinion, not all of these difficulties arose from the present war. The letters suggested that "just as the effects of the [Australian] depression are still bitter memories, so will the great mental and physical disturbance arising from war conditions have delayed effects over many years." The suggestions quoted in the article do not concern us in this connexion: they are, however, an index of the state of affairs indicated, one that prudent readers will take into account.

Rural Practitioners in 1787

The four volumes of "The Torrington Diaries," recording tours on horseback made in England and Wales by the Hon. John Byng between 1781 and 1794, contain occasional references to the practice of medicine in the provinces during those years. They are unflattering. When setting out on one occasion, the diarist laid in a supply of James's powder, so as to obviate "consulting the medical country blockheads, who kill, or cure by chance." While journeying in Wales with a "Mr. O" in 1787, this friend was taken ill and had to remain for some days at an inn. An apothecary who was sent for is described as "a self-sufficient syringe" who "affected to despise the disorder, saying, it was only a cholicky complaint." Thereupon a physician was called in: he arrived in a post-chaise, accompanied by "a sort of deputy." The entry in the Diary continues: "The Dr. was fra the north . . . an impudent, pretending, overbearing savage!—After ordering Mr. O an aperient medicine, pocketting 2 guineas, having his head shaved, taking a strong glass of wine and water, and ordering Mr. O. to eat and drink more than he had done, he return'd with his zany." After this, we are more or less prepared to read of an apothecary who misread "aq. font." in a prescription as "aq. fort.," and "kill'd his patient in a crack." It may be added that this author was, on his own evidence, difficult to please.

Xrayser

TRADE NOTES

Sanitary Towels.—Arthur Berton, Ltd., 256 Old Street, London, E.C.1, direct attention to Dr. White's sanitary towels, which are "made by specialists" in dressings.

Bottle Designs.—An offer to design bottles and jars suitable for post-war sales campaigns is made to the trade by Poplar Glassworks, Ltd., Fortess Grove, London, N.W.5.

Concentrated Beef Extract.—Attention is directed by Oxo, Ltd., London, to concentrated Oxo, an unseasoned preparation of beef extract, which is stated to be rich in beef proteins.

Supplies Available.—John Knox, Ltd., Cannon Street, Hanley, Stoke-on-Trent, point out that Dr. Knox's fever mixture is now available for supply to retailers. Terms are given in an announcement in this issue.

Pocket-size Plaster Pack.—Ultraplast, Ltd., 187 St. Vincent Street Glasgow, C.2, invite inquiries from chemists concerning Ultraplast adhesive dressings and plasters, which are packed in pocket-size cartons.

Medicated-cream Prices.—Price adjustments are announced by Genatosan, Ltd., Loughborough, Leicestershire, for their Genatosan medicated water-miscible creams. Full details are given on another page in this issue.

Tooth-brush Advertising.—A statement concerning the 1945 advertising programme for Spa tooth-brushes is made by the manufacturers, John Freeman & Co., Ltd., Chesham, Bucks, and London, elsewhere in this issue.

Potash and Carbolic Lozenges.—"Double-quick" relief for sore throats is promised to sufferers by the makers of Potolics potash and carbolic lozenges, the British Surgical & Drug Co., Ltd., Fortess Grove, London, N.W.5.

Prices Approved.—The Central Price Regulation Committee has approved revised retail selling prices for electrically-heated blankets and pads manufactured by Thermega, Ltd. Details may be obtained from the C.P.R.C.

Price List Changes.—A tabulated list of alterations and additions made during 1944 to the price list issued by Roche Products, Ltd., Welwyn Garden City, Herts, was given in an announcement by the makers in last week's issue of THE CHEMIST AND DRUGGIST.

Egyptian Agencies Sought.—The Nile Commercial Co., 14 Falaki Street, Alexandria, Egypt (P.O. Box 1032), seek exclusive agencies for medicinal preparations, drugs, chemicals, surgical instruments, etc. Cables should be sent to Nile Commercial Alexandria.

"Fourfold" Tonic Tablets.—M. Calthorpe & Co., Ltd., Ossett, Yorks, makers of Vironita, have now introduced Virotabs, which they describe as a fourfold tonic, containing iron, yeast, calcium and phosphorus. The tablets are in jacketed bottles in attractive outers of twelve.

Pharmaceuticals and Intermediates.—Inquiries are invited by Chemi-Synthetics, Ltd., Cubitt Town Wharf, Saundersness Road, London, E.14, from prospective purchasers of pharmaceutical chemicals and intermediates, including barbiturates, succinates, 8-hydroquinoline derivatives and chelidonic acid.

Now Nationally Advertised.—Westminster Laboratories, Ltd., Penn, Bucks, point out that Ki-uma ointment is now being nationally advertised for the relief of rheumatic conditions, stiff and swollen joints, etc. Supplies may be obtained from C.F. wholesalers or, in the event of difficulty, direct from the manufacturers.

Comprehensive Price List.—Announcing that a new B.D.H. price list is now available on application from retailers accompanied by one penny stamp, The British Drug Houses, Ltd., London, N.1, point out that the list now includes a range of pills, tablets, capsules, etc., and is the only price list being issued by the company to the pharmaceutical trade.

Stock Replacement Offer.—D.D.D. Co., Ltd., 3 Fleet Lane, Ludgate Circus, London, E.C.4, state that, owing to lack of uniformity in raw materials, some batches of D.D.D. balm manufactured early in 1944 have not kept well. They invite chemists who find, after examination, that any material in stock is not in perfect condition, to return it at the company's expense. Returned stocks will be replaced free of charge.

Essence Export Progress.—Clayton & Jowett, Ltd., 46 Wood Street, Liverpool, 1, the death of whose managing director (p. 32) breaks a continuity dating back for over half a century, was founded originally in Blackburn, but transferred to Liverpool over fifty years ago with the object of securing the fullest use of the facilities offered by the port for the development of the company's export trade. The success met

th by the company in this field led to the tablishment of resident agents in all the ain British Colonies and in other overseas ntres.

In Increased Supply.—It is well known pharmacists that for several years past anette wax SX has been controlled by e Directorate of Medical Supplies, its use ing permitted only for the manufacture relatively essential medical preparations, ch as benzyl benzoate emulsion and lphonamide and penicillin creams, while spital and Government needs have joyed absolute priority. During 1945 creased supplies of raw materials will able the makers, Ronsheim & Moore, Anne Boleyn's Walk, Cheam, Surrey, to anufacture larger quantities, so that there ill be a substantial surplus after all official quirements have been met. The Direcrate of Medical Supplies has therefore greed that Lanette wax SX may be made vailable for the manufacture of all ordinary pes of ointments and medicinal preparaons. Applications should be made as early possible to the manufacturers.

Business Change

H. Frischmann, import and export merhant, is removing on January 15 to 1 enchurch Buildings, London, E.C.3. Telehone: Royal 1878.

Retail Licence Application.—Alexnder McCallum Armit, 63 Kelburne Oval, aisley, to acquire the business in photoraphic goods, drugs, medicines, etc., preiously carried on by H. J. Kerr at 137 bbeyhill Street, Carntyne.

Charles F. Thackray, Ltd., The Old edical School, Park Street, Leeds, have een appointed sole distributors to the rade and to the medical profession of the reparations of Southon Laboratories, Ltd., ondon, S.W.15. In an announcement by he latter company in last week's issue of he *C. & D.* the second product mentioned hould be U.F.I. ointment and not as tated.

Proprietary Articles Trade Association

Alterations to Protected List.—*Allied Laboratories, Ltd.* Entry for Cortesan foot treatment hould read: In powder form and ointment, 6s. 8d. doz., tax 2s. 10d. doz., inclusive retail rice 2s. 3d.; distributors: Enzyme Products, td., 17 Victoria Street, London, S.W.1.

Milner & Coke, Ltd. (corrected entry), G.O. ffervescing powder, 12s. doz., tax 2s. doz., r.p. 1s. 9d.; Opit (registered) tonic, 22s. 3d. oz.; tax 3s. 8½d. doz., i.r.p. 3s. 3d.

COMING EVENTS

Notices for inclusion under this heading should be sent in time to reach the Editor at Bath not later than Wednesday morning of the week of insertion. Secretaries are advised to send copies of printed programmes of local activities so soon as they are completed.

Wednesday, January 17

Bath Branch, Pharmaceutical Society, Norton Dairies' Café, Argyle Street, at 7.30 p.m. Social evening.

Royal Society of Arts, John Adam Street, Adelphi, London, W.C.2, at 1.45 p.m. Mr. Christian Barman on "Design in Modern Transport."

Tunbridge Wells Branch, Pharmaceutical Society, Congregational Church Hall (opposite Opera House), at 2.30 p.m. Mr. T. H. Mead, Ph.D., on "Penicillin."

Liverpool Chemists' Association and Branch, Royal Institution, Colquitt Street, Liverpool, 1, at 7.15 p.m. Mr. F. C. Wilson (a member of the Pharmaceutical Society's Council) on "The National Health Service."

Junior Branch, Manchester Pharmaceutical Association, Council Chamber, Houldsworth Hall, at 6.30 p.m. Whist drive. Tickets 2s. 6d., including refreshments, from any member of the executive or from secretary (J. Tomlinson, 42 Shudehill, Manchester, 4.)

Thursday, January 18

Bedfordshire Branch, Pharmaceutical Society, Red Lion Hotel, Luton, at 7 p.m. Mr. J. F. McNeal (vice-president of the Society) on "Current Pharmaceutical Topics."

Chemical Society, Burlington House, London, W.1, at 2.30 p.m. Professor J. Monteath Robertson, M.A., D.Sc. on "Deflection Methods in Modern Structural Chemistry."

British Display Association, Lecture Theatre, Electric Lamp Manufacturers' Association, 2 Savoy Hill, Strand, London, W.C.2, at 6 p.m. Lecture and demonstration on "Fluorescent Lighting and Display."

West Ham and Eastern District Association of Pharmacists and Branch, Church Institute, 27 Romford Road, London, E.15 (nr. Stratford Broadway), at 2.45 p.m. The president of the Society (Mr. F. G. Wells) on "The New National Health Service and the Pharmacist."

Sunday, January 21

Manchester Pharmaceutical Association. Ramble, Altrincham to Alderley Edge. Meet at Altrincham station, 10 a.m. Inquiries to W. Edwards (Telephone: Trafford 1524).

New Edition of Gas Booklet.—A third edition of the booklet, "Personal Protection against Gas," issued by the Ministry of Home Security, was recently published by H.M. Stationery Office, price 8d., post free.

DEATHS

CLAYTON.—On December 21, 1944, after a short illness, Mr. John William Clayton, Ph.C., F.C.S., managing director of Clayton & Jowett, Ltd., essence manufacturers, Liverpool, 1. Mr. Clayton had been managing director of the company since its incorporation in 1898, and had remained in full control up to the time of his death. Mr. Clayton is survived by his daughter. The funeral took place at Blackburn cemetery on December 28.

EWING.—On December 31, 1944, Mr. G. J. Ewing, works manager of Ava, Ltd., 41 Brenton Water Lane, London, S.W.2.

FOWLER.—In St. Bartholomew's Hospital, London, on December 2, 1944, Mr. Thomas John Fowler, M.P.S., 9 Maitland Road, London, S.E.6. Mr. Fowler, who qualified in 1919, was in business at 17 Maple Road, Penge, until 1941, when he took over the business of Goulden & Allen, Bromley, Kent. He had been in failing health for the past two years.

GOUDIE.—Believed killed in air operations in November 1944, Sergeant Ernest A. Goudie, R.A.F., a director of Harkness, Beaumont, Ltd., manufacturing chemists, Edinburgh.

NUTTALL.—At the Forbes Fraser Hospital, Bath, recently, Mr. Percy Martin Nuttall, M.P.S., 2 Edward Road, Devizes, Wilts, aged forty-three. For the past six years Mr. Nuttall has been manager of the Devizes branch of Boots, Ltd. A native of Nelson, Lancs, he was educated at Bury Grammar School and qualified from Nottingham University.

RUBBRA.—On December 15, 1944, Mr. Francis Edmund Rubbra, M.P.S., 367 Lordship Lane, London, S.E.22, aged eighty-one. Mr. Rubbra qualified in 1885.

SKINNER.—The remains of Mr. Herbert Skinner, Ph.C., whose death was announced in last week's issue of the *C. & D.* (p. 7), were cremated at St. Marylebone, London, Crematorium, on January 3. The Society was represented by its president (Mr. F. G. Wells), vice-president (Mr. J. F. McNeal) and deputy secretary (Mr. F. W. Adams). Others present included Dr. G. R. Boyes (representing the British Pharmaceutical Conference), Mr. F. C. Cooper (representing the British Pharmacopœia Commission), Mrs. C. E. Corfield, Messrs. R. M. Dickson, W. K. Fitch ("Pharmaceutical Journal"), A. E. Footitt, W. S. Howells, McDowall T. Marns, J. Milner, C. A. Noble, C. G Panter (secretary, Royal Northern Hos pital), F. B. Royal, E. Salthouse, A. Shep herd (THE CHEMIST AND DRUGGIST), J. A Stewart, G. Tocher, G. Weiss, J. P. Worton J. C. Young and Mrs. Young. There wer many floral tributes. The ashes will, a Mr. Skinner's request, be scattered ove Highgate Fields, one of his favourite walks

MR. THOMAS MARNS, M.P.S., writes: "Fo many years—almost half my lifetime—I hav enjoyed the friendship of Herbert Skinner. I began early in 1915, when I bought my busines in Ealing. He was then acting as secretary c the old Ealing Chemists' Association. H encouraged me to take an interest in loca pharmaceutical affairs and, later on, to see to be of service in a wider field. As the year passed by, I got to know him better, and friendship was cemented that lasted to th end. If ever a man put service before self, tha man was Herbert Skinner. Money mean nothing to him. Had he had the money sense he could have earned a large income, as hi knowledge was unique. Pharmacy was hi main interest. Although his experience in th retail was of short duration, he always had warm spot in his heart for retail chemists, an a great understanding of the difficulties unde which they earn their living. He was keen o outdoor sports, and was the driving force i promoting the London Chemists' Sports Clu Many will recall with pleasure those happ days spent at New Barnet. He played go to the last, was a season-ticket holder at th Oval, and was always to be found at Wemble on Cup Final day. He loved to travel, an spent most of his holidays abroad. He was wonderful travelling companion. Together w spent many holidays in Switzerland—a countr of which he was very fond. In 1927 I persuade him to join me on a visit to the United State and Canada, where he made many friends. H made three trips to America, on one occasio going right across to the Pacific coast. He ha an extensive knowledge of English literatur and a great love of poetry, a burning desire t help those individuals and causes that, in hi opinion, needed help. In his earlier days, tha often caused him to take the unpopular sid with the result that he was sometimes mis understood. He loved his country and hi fellow men. In the finest sense of the word h was an English gentleman and a staunch frien Those who knew him best will miss him mos I shall never cease to be grateful for the privileg of his friendship. Peace to his ashes."

MR. A. E. FOOTITT, Ph.C., writes: "Th sudden passing away of Herbert Skinner a the turn of the year marks the close of a strenu ous and self-sacrificing life given for the benefi of pharmacy. First as a pharmacist and secondl as the pharmaceutist to the Royal Norther Hospital, London, he was known and respecte

t only in Great Britain but also internation-y. I must leave it to others who, by their sociation with Herbert Skinner throughout s career, are more qualified, to deal with his merous activities, but as one who has worked th him for the past fifteen years I wish to pay ibute to a truly remarkable man. In dealing th everyday technical problems, with hospital ministration, or with pharmaceutical political uations, his wise and farseeing direction made m much sought after alike by the pharma-utical aspirant and the councillor. By his armaceutical attainments he unobtrusively tablished a respect within his own hospital t only for himself but between his department d the whole hospital lay and medical staffs. s a forerunner in biochemical analysis it was der his chairmanship that the Society's ploma was inaugurated. He was a pioneer in e development of London pharmaceutical sociations, and for twenty-five years the ithful secretary of the North London Phar-aceutical Association. On many occasions he owed during conversation a remarkable bility to recollect facts and figures going back er many years. He held very decided views the position of pharmacy in the public rvices, and would fight for them upon every casion. Since his partial retirement at the tbreak of the war his public services had en in such demand that he had had no oppor-nity to take the well-earned rest that should ve been his. He was, however, as he would ve wished to be, in harness to the end. So e commence 1945 with one less of the 'grand d men' of pharmacy."

SPANNER.—In Osaka Camp, Japan, Mr. arold Albert Thomas Spanner, M.P.S., rmerly of 12 Wolverhampton Road, tafford. Mr. Spanner qualified in 1933.

WORRALL.—At Houseley Villa, Burn-oss Road, Chapeltown, nr. Sheffield, on nuary 1, Mr. Jason Hall Worrall, for many ars a research chemist with Newton, hambers & Co., Ltd., chemical manu-cturers, Chapeltown, aged eighty-five. r. Worrall was prominently identified ith the origination of Izal disinfectant.

WILLS

MR. EDWARD LANCELOT CARR, M.P.S., eterborough, formerly for some years a anager for Boots, Ltd., Lowestoft, left 1,816, with net personalty £1,781.

DR. JOHN KEITH ROBERTS, Sc.D., Ph.D., .R.S., Assistant Director of Research in olloid Science, University of Cambridge, eft £8,447, with net personalty £8,229.

MR. CHRISTOPHER NEVISON, 16 Westgate, orecambe, Lancs, chairman of Souplex, td., razor-blade manufacturers, More-ambe, left £9,099, with net personalty 9,055.

BIRTH

EDMONDS.—At 1 Duke Street, Hawick, on December 31, 1944, Catherine Maria, the wife of Alexander McDonald Edmonds, M.P.S., of a son (Angus).

MARRIAGE

IRWIN—MACKAY.—At Queen's Park Baptist Church, Glasgow, on January 2, William Alexander Mackay Irwin, M.P.S., F.I.O., 12 Park Road, Glasgow, C.4, to Agnes Rosa Mackay, Glasgow, S.2.

PERSONALITIES

MR. T. BRIGHAM, M.P.S., Little Sutton, nr. Chester, has been elected to fill a vacancy on the Ellesmere Port Council.

MR. ANDREW DAVIDSON, M.P.S., for many years manager for Boots, Ltd., at Tavern Street, Ipswich, has retired.

MAJOR D. G. C. WHYTE, D.S.O., a son of Mr. J. M. Whyte (governing director of Whyte, Reid & Mitchell, Ltd., wholesale druggists, Belfast), has been promoted Lieutenant-Colonel.

PROFESSOR G. M. BENNETT, M.A., Sc.D., B.A., Ph.D., has been appointed Government Chemist in succession to the late Sir John Fox. Dr. Bennett is at present professor of chemistry at King's College, London, and will take up his appointment at the end of the academic session.

LIEUTENANT EWART WOOLLEY, R.N.V.R., a director of Cupal, Ltd., manufacturing chemists, Blackburn, and a brother of Major W. E. Woolley, M.P., M.P.S., was present at a meeting of the Blackburn Town Council on January 4—his first attendance as councillor for a period of two and a half years, during which he has been serving with the Forces.

MR. R. C. HANNANT, M.P.S., Gorleston-on-Sea, county officer for Norfolk of the St. John Ambulance Brigade, has been admitted a Serving Brother of the Order of St. John. Mr. Hannant served with the Royal Army Medical Corps in the war of 1914–18, and was founder of several divisions of the Brigade in Norfolk, including Gorleston. Since the outbreak of the present war he has organised, in conjunction with the medical officer of health, first-aid parties and posts in the town, and has lectured and trained personnel over a wide area on behalf of the Norfolk County Council. He was gas officer to the Eleventh (Norfolk) Battalion Home Guard and trained the stretcher-bearers attached to the battalion.

LEGAL REPORTS

Concealed Opium.—At Glasgow sheriff court, recently, two Chinese were sentenced to three months' imprisonment, and fines of £20 or a further three months, on charges of evading Customs duty on opium. Two other Chinese were sentenced to two months' imprisonment and fined £10 or a further term of two months. It was stated that opium worth £56,000 had been concealed in the ship in which the Chinese arrived.

Dispenser's Thefts.—At Ipswich police court, on January 4, Shelagh Brookfield Bradford, M.P.S., was fined £50, and bound over for two years, with the same period of probation, on condition that she undergoes such treatment as her medical advisers instruct. She was charged with stealing from various stores, including Boots, Ltd., and it was stated that at her home eighty pairs of new stockings, thirty pairs of gloves, twenty handbags, fifty to sixty jars of face cream, and a large quantity of new underwear, in addition to other goods, were found. Evidence was given that Bradford was an extremely good dispenser but had suffered from glandular trouble since childhood, and was definitely not normal. She was stated to have a private income and a good salary.

INQUESTS

Sleeping Tablets.—A verdict in accordance with the medical evidence was returned at a recent inquest at Bridgwater on Phyllis Irene Jennings, who was found dead in bed at home. A doctor, who carried out a post-mortem examination, said that the results did not exclude the possibility of barbiturate poisoning, but he had no evidence in support of such a finding. The cause of death was heart failure due to mitral disease.

Chemical Analysis of No Avail.—At Westminster, on December 26, 1944, a verdict of suicide while of unsound mind was returned on Hubert Edgar Wyatt, Westminster. It was stated that Soneryl tablets had been prescribed, and Wyatt had been supplied with a quantity of 100. Later he was found dead in his flat, and on a piece of paper found in the room he had written "Cancer of the tongue." In view of the note and the fact that all the tablets had disappeared, the coroner held that Wyatt had taken his life. He stated that Soneryl was a dangerous drug, but would be quickly destroyed in the body, so that a chemical analysis of the organs would not much help the inquiry.

COMPANY NEWS

H. R. Smullen & Co., Ltd. (P.C.).—Registered in Dublin. Capital £1,000. Chemists, druggists, etc. Directors not named.

C. R. Ling, Ltd. (P.C.).—Capital £2,000. Wholesale and retail chemists, etc. W. T. Courtney and Ruth P. Ling, directors. R.O.: 2 St. Mary's Street, Bungay.

Luna Inserts, Ltd. (P.C.).—Capital £5,000. Manufacturers of and dealers in hygienic goods, toilet requisites, surgical equipment, etc. Leonard H. Sayer, director. R.O.: 36 Oxford Street, London, W.1.

Erita Laboratories, Ltd. (P.C.).—Capital £3,000. Manufacturers of and dealers in cosmetics, perfumes, proprietary articles, etc. Directors to be appointed. Solicitors: A. E. Grundy, 106 Lord Street, Southport.

Anthony & Lawrence, Ltd. (P.C.).—Capital £1,000. Manufacturers of and dealers in cosmetics, perfumes, hair clips and slides, combs, razors, etc. Alec Hyatt, director. R.O.: Imperial House, Dominion Street, London, E.C.2.

Foot Hospitals, Ltd. (P.C.).—Capital £1,000. Electro-therapists, physio-therapists, chiropodists, manufacturers of and dealers in toilet requisites, etc. Margaret A. Harris and Thomas C. Taylor, directors. R.O.: 36 Cookson Street, Blackpool.

Spracketts, Ltd. (P.C.).—Capital £500. To acquire the business of a manufacturing and retail chemist carried on as "Spracketts," 5 Broad Quay, Bristol. Cyril E. and Ella M. Paterson and George Frederick Paterson, M.P.S., 128 Holmes Avenue, Hove, directors. R.O.: 5 Broad Quay, Bristol.

Sangers, Ltd.—An interim dividend of 10 per cent. has been declared on the ordinary stock for the year ending April 30, 1945.

Dubarry Perfumery Co., Ltd.—A final dividend of 2½ per cent. is being paid on the ordinary shares, making 12½ per cent. for the year (same as last year).

Record Number of Companies.—Over 7,500 new companies were registered in 1944, a record for any war-time year.

Bankruptcy Discharge Suspended.—Ronald Eric White, M.P.S., 233 Bristol Street, Birmingham; order made November 14, 1944, suspending discharge for twelve months.

PHARMACY IN THE U.S.S.R.

Specially cabled to The CHEMIST AND DRUGGIST from Moscow

III.—Training of Pharmacists

by Docent P. Senov

HE training of pharmacists in the Soviet Union goes back to the sixteenth century, to the "Chancel- of Pharmacopia" which trained rentices. Naturally methods of training e changed with the times. In pre- olutionary Russia there were three grades pharmacy workers—the master phar- ist, dispenser, and dispenser's assistant.

ning System Changed

viet power brought many changes in whole system of training. Despite the endous economic difficulties with which young Soviet Republic was faced, it ediately tackled the reorganisation of maceutical work throughout the coun- The nationalisation of pharmacies and ratories created the conditions to ove pharmaceutical training. First, ormity and contact between pharmacies, ratories and factories had to be built also uniformity in the making-up of materials and sale of finished products. had to be followed by a uniform ing of personnel for all grades of macy work. Secondly, the place of maceutics and pharmacology in the et public health system was defined.

viet pharmacy, as an independent ch of the public health system, has a ber of functions to fulfil. Therefore the of a pharmacy must be a person of education. A decree of the Soviet rnment (September 8, 1936) made maceutical education uniform through- he country. About fifty pharmaceuti- chools have been established to train personnel required. A number of dard text-books have been published in al editions, chief of them being: ide to Technology and Forms of cine," by Professor S. F. Shubin; nual of Pharmaceutical Chemistry," he author of this article; "Manual of ny," by Dubyanskaya and Raduga.

e same decree of 1936 introduced the of "assistant dispenser" for those who uate from pharmaceutical schools, and penser" for those graduating from maceutical institutes. A dispenser reach very high standards. He must a thorough knowledge of the techno- of dispensing and be able to manage a big pharmacy or warehouse. He must be a specialist in the manufacture of medicines, in forensic pharmacy, and in the collection and drying of medicinal herbs. In war-time he has many additional duties. If he is mobilised into the army he must supply and service army medical institutions, and control the work of chemical squads in local air defence organisations. The degrees of a master and doctor of science (pharmaceutics) have also been introduced in the Soviet Union. Before the war there were eleven pharmaceutical institutes in the Union with a total student body of 4,500. The curricula of these institutes covered training in twenty-five different subjects, five of which were highly technical and requiring a four-year course. During the sixth and eighth terms practical work is introduced; and practical work with medicinal herbs is also obligatory in the third and fourth years. The student takes an extensive course in general biology and general chemistry, in addition to the special subjects he has entered for. Intensive research work is carried on in pharmaceutical institutes, especially in war-time, to find substitutes for raw materials which are in short supply.

Effects of the War

New methods of pharmaceutical analysis are worked out. The war has brought about a few changes in the institutes; the number of students attending now is higher than the pre-war figure, although only eight pharmaceutical institutes are working at the moment. As a temporary measure, pharmaceutical faculties have been founded at medical institutes. Actually every branch of pharmaceutical work has grown and improved during the war years. It became necessary to improve the knowledge of dispensers in the technology of pharmaceutical preparations and medicinal herbs. In this connexion experimental fields have been established at pharmaceutical institutes where medicinal herbs are cultivated; experimental installations under factory conditions have been introduced into the study of technology of medical and galenical preparations. To this must be added the regular pharmacy, which is attached to every training institute.

At the MOSCOW PHARMACEUTICA INSTITUTE

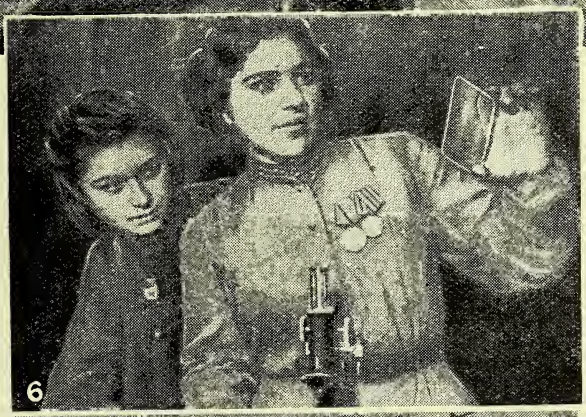
Pictures specially cabled from Moscow

1. Botany students at work
2. Studying analysis in the l of forensic medicine.
3. Working at the "buret the chief form of equipment in the U.S.
4. Professor Kolokolov wi year students.

ynthesising anæsthetics in pharmceutical chemistry laboratory.

tudents who have returned to he Institute with military decortions after fighting as partisans.

atest edition of the wall newspaper, "The Soviet Dispenser."



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COUNCIL WORK DESCRIBED AT BLACKPOOL

A MEETING of the Blackpool Branch of the Pharmaceutical Society of Great Britain was held at Blackpool recently, when MR. T. HESELTINE (a member of the Society's Council) was the speaker. He said that, as a member of the National Pharmaceutical Union Executive, he was aware of occasional differences of opinion between the Society and the N.P.U., and felt that these differences should not exist. With the object of obtaining better liaison between the two bodies, he had allowed himself to be nominated for election to the Council. This talk was his first as Council member.

Chief Concerns of the Society

Before his election, he had always felt, said Mr. Heseltine, that his business interests were being well looked after by the N.P.U., but, though he had searched his mind carefully, he had not found much that the Society had done to help him as a retailer. The chief concerns of the Society appeared to be education, examinations, law, and benevolence—all worthy objects, all necessary, but all of which should be kept within bounds. He was strongly of the opinion that more time should be devoted to assisting the ordinary retail pharmacist, who, after all, was the backbone of the Society. He then dealt with the finances of the Society. His feeling was that if members knew the true position they would be better able to understand why it had been found necessary to raise their subscriptions. The total estimated income for 1945 was £136,000. The estimated expenditure left an anticipated balance of just over £18,000. Of this, it was proposed to earmark £15,000 for the Building Fund. The Society had been unfortunate with its new building and, because of the war, he estimated that it would finally cost in the region of £250,000. Education cost £13,000 per annum, and Mr. Heseltine expressed his alarm at the cost of the Society's school, pointing out that, for the sake of carrying the hallmark "square-trained," each student was, at the moment, costing members £250–£300 per annum. During the past year, two professorships had been granted at the school, and this, of course, meant extra salaries, but members of the Education Committee, and especially the treasurer, were always trying to keep down expenses. Law administration cost the Society £13,000 per annum, and the "Journal" £24,000, most of which was recoverable. Mr. Heseltine complimented the Blackpool Ladies' Committee on their tremendous effort in raising nearly £900 to date for the War Aid Fund. He asked these ladies to examine the Fund and, if at any time they felt that it was large enough, to carry on the good work and send the money to the Benevolent Fund. The Tomlinson scheme for disabled Servicemen and women, whereby industries must take back a percentage of disabled people, had been discussed, and the Council had promised on pharmacists' behalf to take back all old pharmaceutical staffs, but had pointed out that pharmacy was not a suitable vocation for disabled people.

In answer to questions, MR. HESELTINE stated that the N.P.U. was dealing with the pricing of suppositories in the N.H.I. tariff, where the pricing for quantities over one dozen was not remunerative.

MR. HOWARTH asked if Mr. Heseltine was satisfied with the "Journal" as now printed, and he answered "No." The great majority of readers were retail pharmacists, and the space given to technical and ethical articles, which cost £900 a year, was ridiculous. They were not read by the majority, and more space should be given to articles on everyday problems affecting retail pharmacists.

Dosage Fee for Dispensing

MR. HASLAM asked if anything was being done to obtain a dosage fee for National Health Insurance dispensing, and the speaker said it had been discussed at the Conferences and would definitely be introduced into the Ministry of Health negotiations.

A vote of thanks was moved by MR. LOWE and seconded by MR. CARTER. Mr. Heseltine suitably responded.

Sympatometin. — "Comsomol Pravda," the youth supplement of the Soviet national newspaper, states that four injections of a new medical preparation, sympatometin, caused a fully grown dog to double its weight. The preparation has been developed by Professor Ivan Pavlovitch Chukichev, from a mixture of albumen and sulphuric acid. Tests are stated to have established that the drug is beneficial in rheumatism, asthma and nervous diseases. Its effect in accelerating organic growth was revealed accidentally when a weak solution was spilled on flowering shrubs, which grew to three times their normal size.

BLOOD TRANSFUSION IN PEACE-TIME

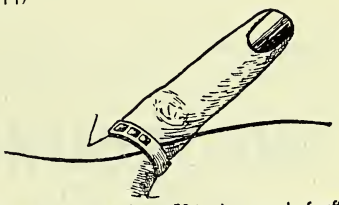
REFERENCE to the organisation of a civilian blood-transfusion service after the war was made by Sir Lionel Whitby in a lecture on "Transfusion in Peace and War," given before the Society of Apothecaries of London recently ("Lancet," January 6, p. 1). He suggested that the convenience of the blood bank in war-time might mask its limitations for peace-time work. For example, some portion of even young stored blood was quickly destroyed when transfused, and the older the blood the greater the destruction. In a disease such as aplastic anæmia there was much to be said, therefore, for using fresh blood and obtaining maximum survival, and a body of medical opinion advocated the use of fresh blood for the majority of medical diseases. Blood banks, he pointed out, require the most careful supervision and deserve the service of full-time officers. Though stored blood may be life-saving, it may equally be lethal, and a blood-bank officer is essential to ensure skilled collection, proper refrigeration and daily inspection and rejection of unfit bottles, as well as for checking the group, direct matching, and preparation of red-cell concentrates. "Much research has been devoted to the perfection of blood substitutes, which might transfer the load from the human donor to the animal world, the vegetable kingdom, or the realm of the synthetic chemist." Pectin, isinglass and gelatin were mentioned as having a certain value, but they had not come into general use, nor had it been possible to process bovine plasma or serum sufficiently to guarantee freedom from reactions. A German synthetic product had been abandoned by the Germans themselves in favour of dried plasma. Attention had been paid, he said, to the question of protein nutrition, more particularly in the United States, and he urged that it was as important to attend to protein requirements as to give the carbohydrate infusions which had long been customary. Only a fraction of peace-time transfusion practice fell into the category of emergency administrations.

Two Panels of Blood Donors

In peace-time, two panels of donors were to be recommended: first, those who, with due notice, were prepared to contribute to the bank or plasma pool; and secondly, those who, with relatively little notice, were prepared to be summoned to provide fresh blood. The continuation of regional transfusion stocks, with an advisory and executive medical officer charged with maintaining high standards, was regarded as fully justified; the officer in charge would need the assistance of a second medical officer for bleeding duties, and also of two or three laboratory technicians for bacteriological and serological work, assembly of apparatus, autoclaving, and other duties, which could with advantage include the preparations of crystalloid solutions for the region.

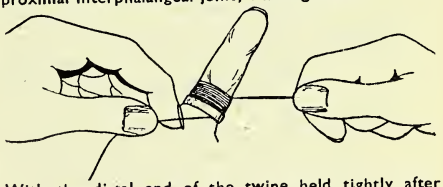
REMOVING A RING

THE following practical method of removing a ring from a swollen finger without cutting the ring, when soap or soap and water have proved unsuccessful, was outlined by Donald C. Grob (pharmacist's mate, first class, United States Naval Reserve), in the U.S. "Hospital Corps Quarterly" (17.4.44).



A fine piece of twine about 50 in. long, and of sufficient tensile strength, is placed through the ring with a 2-in. tail extending mesially.

With the mesial end held secure with the left hand, the distal end of the twine is wrapped spirally and very tightly around the finger distally and over the first proximal interphalangeal joint, winding close.



With the distal end of the twine held tightly after wrapping the finger, the mesial end of the twine is grasped and, with a continuous pull upward, the spiral wrapping unwound. With the unwinding, the ring gradually works forward and off.

The author states that if the twine is well soaped before use, the operation is generally much easier.

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Announcement re

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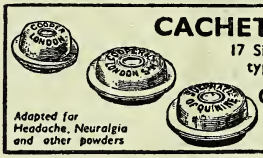

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he fact that goods made of raw materials n short supply owing to war conditions are dvertised in this paper or described in its ditorial columns should not be taken as an ndication that they are necessarily available or export.

"Allied Workers"

F proposals shortly to be put before delegate conferences of the two principal Trade Unions catering for shop assistants (see p. 27) are ratified by the members of each, a very powerful industrial bargaining organisation will result. The prospective merger is indirectly of some interest to pharmacists, because the Association of Pharmaceutical Employees, which recruits its members from assistants (qualified and unqualified) employed in pharmacies, is a subsection of the Shop Assistants' Union, while the Distributive Workers' Union is also understood to number pharmacists within its ranks. Both are represented on the National Joint Industrial Council for Retail Pharmacists.

Effects of Amalgamation

Thus the strength and support which presumably attracted the Pharmaceutical Employees in the first place to associate themselves with the larger group of shop assistants will become—assuming a successful outcome for the merger proposals—enormously increased. Any disadvantage that employee pharmacists may have suffered by having some of their colleagues in a "rival" union covering virtually the same field will be correspondingly diminished.

It is to be doubted, however, whether the effects of the union upon the craft of pharmacy will be commensurately beneficial. We have in the past not hesitated to point out that the employed pharmacist, even if he spends the greater part of his time behind a counter, is very much more than a shop assistant. He may have his interests as a distributive worker catered for to the full, while following a policy which overlooks or is even detrimental to his interests as a pharmacist. We do not contend that this outcome will necessarily result from the proposed amalgamation. Not in any sense are we opposed to employee pharmacists seeking protection for any of their interests in the quarter which appears to them to hold out the greatest prospect of betterment. Our appeal—and it is stronger than an appeal—is that side by side with the reinforcement of their bargaining-power as counter-hands they should correspondingly develop and strengthen the ties which bind them to the craft for which they subjected themselves to an examination such as the vast majority of other shop assistants are not called upon to pass.

Pharmacists as Shop Assistants

The warning is given point by the recently-agreed scales of wages under the National Joint Industrial Council for Retail Pharmacy. By general consent the rates are modest. Even some of the spokesmen of the employers seem to have been half-apologetic about them, as if it had not been expected that the negotiations would have resulted in such an easy agreement. There may, in fact, be justification for the fear felt in some quarters that the low rates agreed upon will adversely affect the terms offered to pharmacists under the National Health Scheme. It is true that proprietor pharmacists have risks, overheads and responsibilities not shared by their employees, and that these must all be taken into account in assessing remuneration. Even so, the rate at which the services of a pharmacist, purely as a pharmacist, are valued, cannot fail to be in the consciousness of those who, as trustees for the public,

conduct the negotiations from the Government side. It may be asked whether the low terms accepted by the Trade Union side of the J.I.C. are not a reflection of an experience, on the part of the professional bargainers, with the needs of shop assistants accompanied by comparative ignorance of the qualification and training of pharmacists. In other words, whether the scales are not, on the whole, comparable with what grocers' assistants, without examination, could secure by strength of organisation.

What is constantly in our own mind is the long-term welfare of the craft, rather than the immediate benefit, however substantial, of any section of it. We are thus sensitive to any move which, while of advantage to a part of the Society's membership, is detrimental to the whole. Let employed pharmacists regard themselves primarily as pharmacists and they will, on a long view, improve their own position by promoting that of the craft.

"Higher" Appointments

THE Minister of Labour and National Service (Mr. Ernest Bevin) has announced plans for assisting the resettlement of men and women in what are known as "higher appointments," i.e. posts that call for administrative, supervisory, managerial, professional or technical qualifications or capacity. It is understood that pharmacists will be covered by the scheme.

Scope of the Appointments Department

The plans have been prepared in the light of recommendations made by a Committee set up in 1944 under Lord Hankey, and provide for reorganisation of the existing Appointments Department of the Ministry of Labour and National Service, and for its reorientation to meet the needs of men and women on war service, who seek to resume or to commence careers in the higher ranks of industry, commerce, or the professions. Starting from a declaration that, "in the new world likely to follow this war, it will be a matter of urgent public need to avoid any waste of trained ability," the Committee give it as their conclusion that a nation-wide, State-provided agency for employment in the field of higher appointments is essential, and that it shoul be based on the existing Appointmen Department. But men and women in th Forces and on war service are deeply co cerned about their future careers, and th opportunities for training available. Th "placing" work of the Appointmen Department is therefore regarded by th Committee as the focal point of a servic of information, advice and help. It recommended that the Department shoul be equipped to give advice upon choice and training for a career, and a "caree research section" has therefore been estal lished which, in collaboration with pr fessional associations, educational bodie and Government departments, has collecte information about the various professio and callings.

Details for Publication

Information about trends of employme will be made available to the public. is accepted that applicants who propose t invest capital in business enterprises shoul be given appropriate advice as to th inquiries they should make before reachin a decision. It is also recommended th there should be national standing advisor committees representing the principal pr fessions and occupations. The advisor committees (including those on chemistr and scientific research) which were set u to assist the Central Register have agree to continue to advise the Appointment Department on matters affecting suc professional appointments as are still t be dealt with nationally. It is disclosed tha a number of posts overseas have alread been filled through the machinery of th Appointments Department.

Additional plans announced cover specia ex-service problems; further education an training; placing men and women who hav developed their abilities during war ser vice; and placing young men and wome with little previous experience.

CLOSED ON SATURDAYS.—Advertisers an subscribers are reminded that owing to wa conditions the Head Office of THE CHEMIS AND DRUGGIST, 28 Essex Street, London, W.C.2 is closed on Saturdays until further notice Urgent instructions relating to advertising an subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath, Somerset.

RECENT RESEARCH

ercury Determination.—A modification ne assay by reduction with ethanolamine nercury in mercury-containing pharma- ical preparations is suggested by ondaro ("Journal of the American rmaceutical Association," XXXIII. 11. . A feature of the original procedure rded as desirable is the reduction of cury to the metallic state, thus per- ting its separation from organic matter halides and titration of the redissolved al against thiocyanate, with a consider- saving in time. In practice, the writer rienced difficulty in obtaining con- ent results owing to fine globules of the al remaining on the surface of the nolamine and being lost in the de- tation operation. In his modified process reducing action of the ethanolamine been accompanied by the addition of , which also serves to form an amalgam h the metallic mercury and facilitates quantitative recovery. Indications are en as to desirable precautions to take in er to obtain uniform representative nples for assay.

Pharmacognosy of Buchu.—A history of medicinal use and official recognition of chu, and a record of histological studies de on buchu leaves and stems to develop method of distinguishing between *Ba- ma betulina*, *B. crenulata* and *B. serrati- a*, are given at some length, and well pported with histological diagrams, by dman and Youngken in the "Journal the American Pharmaceutical Associa- n" (XXXIII. 8. 277). The outstanding ferences between the three varieties are nd in the radial and outer walls of the per epidermis. In *B. betulina* the inner radial walls are straight, and in both *crenulata* and *B. serratifolia* slightly ded; the outer walls are smooth in *betulina* and *B. crenulata*, but slightly iated in *B. serratifolia*. The main histo- ical identifications useful in diagnosis the short papilla-like trichomes and g, non-glandular hairs found on the ms and petioles. The drug powders of chu leaf and stem are described, the main ference being found in the measurements fibres and calcium oxalate rosettes. erage determinations of volatile oil in e three varieties were 1·95 per cent. in ort, 1·13 per cent. in oval, and 0·81 per nt. in long buchu. Tables are given of ganic matter and acid-insoluble ash, and veral common and rare adulterants are scussed.

MEDICAL ABSTRACTS

Desensitisation to Sulphonamides.—Consistent success in desensitising allergic patients in sulphonamide administration is reported by Park ("British Medical Journal," 1944. II. 816). The method was to commence with an amount of the drug too small to cause a reaction and double the dose each day until a mild reaction appeared. The dose was maintained at that level until all symptoms had subsided, when it was again increased. An opportunity to follow up one desensitised case showed that allergy had returned after twelve months but in much lower degree.

Penicillin in Syphilis.—The demonstration that penicillin is therapeutically active against *Spirochæta recurrentis* and *Spirillum minus* infections in mice has led to its trial in cases of syphilis. Ross and others ("Lancet," 1944. II. 845) give results on strongly seropositive cases with well-marked secondary lesions. The treatment courses were (*a*) 30,000 units intramuscularly every three hours for eighty injections (i.e. 2,400,000 units in ten days); or (*b*) 30,000 units every hour for forty injections (i.e. 1,200,000 units in forty hours). In all cases the immediate results were good: spirochætes and lesions disappeared at least as rapidly as is usual under suitable treatment with arsenicals and bismuth. Later results, however, showed the effects to be less beneficial than arsenicals and bismuth might have been. Of four (*a*) cases, only one was an unequivocal success in an observation period of nine months. One was probably but not certainly cured. In the remaining two the verdict is open: in one the Wassermann reaction gave varying results during the nine months of treatment, and in the other there was a serological relapse some three and a half months after treatment. Of the two (*b*) cases (including the patient referred to above as probably cured, but treated again on becoming reinfected), one remained free from evidence of syphilis four and a half months after treatment; the other relapsed in about two months. The cases illustrate the usual difficulty of deciding on a suitable dose for individual patients, but the freedom of penicillin from toxic properties will enable trials to be undertaken at higher dosage levels and under longer courses of treatment. Penicillin treatment for syphilis, the authors conclude, will not become suitable for routine civilian practice until the frequently repeated day-and-night injections can be avoided.

PHARMACEUTICAL SOCIETY OF GREAT BRITAI

A MEETING of the Council of the Pharmaceutical Society was held in London on January 2 and 3, the president (Mr. F. G. Wells) in the chair.

Tuesday's Session

Letters relating to the proposed national health service were received from Torquay Branch conveying resolutions urging that the proposed local pharmacy boards should consist entirely of pharmacists elected by pharmacists participating in the service; that the contract of service should be with the pharmacist in charge of the pharmacy; that the widest publicity should be given to the case for pharmacy; and that remuneration should be adequate; and from the Romford Branch conveying resolutions supporting the proposals that a Central Pharmacy Board should be established to advise the Minister of Health on pharmaceutical matters, and that the Board should have the power of determining, subject to appeal to the Minister, conditions for the addition or dissolution of units of the pharmaceutical service.

Advertising of Dispensing Services

The Council took note of the continued publication of advertisements of dispensing services, and decided to issue a statement on the matter, having regard to its inclusion in the Statement on Matters of Professional Conduct in June 1944.

Wednesday's Proceedings

THE CHAIRMAN said his first duty was the very painful one of moving:—

That the Council record with deep regret and with a keen sense of loss the death of Herbert Skinner (a member of Council since 1916).

Among the offices in pharmaceutical public life held by Mr. Skinner, said the president, were the vice-presidency of the Society, 1926, the presidency, 1927–29, the chairmanship of the British Pharmaceutical Conference, 1934, and the chairmanship of the Codex Committee, Codex Revision Committee and Publications Committee of the Society's Council. Mr. Skinner had played an active and many-sided part in the affairs of pharmacy and the Society for many years, and his services would be remembered with gratitude and appreciation. Mr. Skinner was also a past-secretary of the North London Association, a position he had held for over twenty-one years, a past-chairman of both the London and Middlesex Pharmaceutical Committees, a for over forty years had been in the pharm ceutical department of the Royal Northe Hospital. In his passing, pharmacy h sustained a heavy loss, for Mr. Skinner h given unselfishly of his time and abiliti for the benefit of the craft he loved so we His work on the Codex—of which he w so justly proud—would always remain living testimony of his memory. H activities, however, were not confined pharmacy, and he took a great interest sport, through which he had created better feeling and good fellowship a understanding among his *confrères*. T chairman said he personally had lost good friend, and one for whom he had t greatest respect and admiration.

MR. A. R. MELHUISH, seconding t motion, said he did so with a considerab measure of distress. Herbert Skinner h many attributes; among them were h forthrightness, because if there was an thing about Skinner at all it was that spoke his mind fully, clearly, and somewh robustly. He was a forward thinker, w thought and endeavoured to act ahead his time, and another attribute was h loyalty. Although in Mr. Skinner's ear days they had not always agreed with hi he personally had never had a word disagreement with his old friend and c league. Of late years, through ill-healt Mr. Skinner had not been so forceful as the days of yore, but he had a wealth experience which he was willing to give the Council on almost any phase of pha macy. He had friends in practically eve branch of the Society throughout t country, and friends in Northern Irelan Eire, America and Canada, and his passi would be regretted in very wide circles.

The Council unanimously adopted t motion, and stood in silence in honour Mr. Skinner.

Letters of Congratulation

MR. G. R. KNOX MAWER moved that letter of congratulation should be sent t Earl Lloyd George, who, he had no hesitatio in saying, had always taken a very kee interest in pharmacy. MR. W. S. HOWELL seconded, and this was agreed. It was als agreed that the honour conferred on Prin cipal Rees, Cardiff University, should b the subject of congratulations to him fro the Society.

THE REGISTRAR reported that, since th previous meeting, thirty persons had bee

istered as apprentices or students, and was agreed to restore to the register of mists and druggists two names removed ring 1944.

nmittees' Minutes

Mr. G. R. Knox Mawer moved the nutes of the Education Committee, in ich it was recommended that the regu-ions set out in the minutes for the Umney morial prize examination should be opted. The minutes were approved. e Umney Memorial prize consists of armaceutical books and/or apparatus the value of £25, to be selected by the izewinner. The prize is awarded annually the Council of the Society upon the commendation of an examiner appointed the Council. Competitors must be ndidates for the Chemist and Druggist ualifying or Pharmaceutical Chemist ualifying examinations held in June of e year in which they are competitors for e prize. Subsequent to the Chemist and ruggist and Pharmaceutical Chemist ualifying examinations held in June, the sults in practical pharmaceutics of candi-ates who are competitors for the prize ill be examined, and such of the competi-rs as are deemed worthy of further nsideration for the prize will be required sit for an additional examination in ractical pharmaceutics to be held in ondon in August. The prize will be warded on the results of this examination. easonable travelling and hotel expenses ill be refunded to candidates selected to t for the additional practical examination. pplications from persons desiring to mpete for the prize must be made in riting to reach the secretary of the Society n or before June 1.

Mrs. J. K. Irvine, who moved the min-tes of the Benevolent Fund Committee, aid the special contributions received uring December 1944 were noteworthy. The Chairman said he was sure the Council ppreciated efforts to help the Benevolent Fund. Mrs. Irvine said the Committee had not had time to consider the question of waiver of retention fees, but that would be given attention next month. Letters of thanks were reported received from sixty-eight annuitants for Christmas gifts of £5 each sent by the Committee. The minutes were approved.

The minutes of the Establishment and Finance Committees were approved.

Mr. F. C. Wilson, who moved the minutes of the Organisation Committee, reported that Professor Sarkisov was unable to give his lecture in January as arranged, but Professor Todd had agreed to give his lecture in January, and Professor Sarkisov would take the February date. The minutes were agreed.

The minutes of the Public Services Committee, moved by the Vice-president in the absence through illness of the chairman (Mr. Appleton), were taken in Committee.

Mr. W. Deacon moved the minutes of the War Aid Committee. He reported the receipt of letters from the secretary of the study group at Oflag VIIB Prisoner-of-War Camp, Germany, outlining its activities and conveying resolutions passed by the group, and read one letter expressing approval of the Council's kindness in sending to pharmaceutical prisoners of war the "Journal," books, and cigarettes, endorsing remarks made by the Dean of the Society's School at the opening of the 102nd session regarding the changes hoped for in education, and urging that refresher courses for service members should include biochemical analysis.

The report of the Law Committee, presented by Sir Malcolm Delevingne, showed that the premises of 835 authorised sellers, ninety listed sellers and 503 drug-stores and similar traders had been visited by the Society's inspectors and agents during the month. Four cases of alleged infringements were considered and appropriate action taken.

Report on Scottish Examinations

The report by the Privy Council Visitor on the examinations held in Scotland during 1944 indicated that in the Chemist and Druggist Qualifying examination the percentage pass for the whole examination (thirty-seven) compared unfavourably with the percentages for the three previous years (forty-nine, forty-five, forty-one). This might partly be attributable to war-time conditions. As usual, there was a small group of outstanding candidates, but the majority obtained medium or poor marks. Far too many of the candidates seemed to have difficulty with the relationship of Metric to Imperial weights and measures, with reading prescriptions, and with putting them up in a neat, attractive manner, all indicating weakness in their apprentice training. Handwriting and labelling often left much to be desired. Laboratory technique in general failed to reach a high standard, indicating insufficient practice and supervision. Similar remarks applied to the Pharmaceutical Chemist examination.

OILSEED CROPS IN BRITAIN

by E. F. Hurt (National Diploma in Dairying)

In previous articles the writer has referred to a current world shortage of vegetable oils, shown how far this country was dependent on importations for these oils, and given some indication of the post-war position. During the war Britain's own shortage of vegetable oils rapidly impinged on her food supplies and was reflected, of course, in rationing, particularly of margarine and oilseed feeding-cakes. The difficulty was fortunately overcome to a large extent by Lend-Lease, without which the country's position might well have been tragic. That there had been considerable lack of foresight is clear if only one aspect of our pre-war agricultural policy is considered.

In pre-war times Britain imported enormous quantities of butter and other dairy produce from Denmark. There was no attempt, on the part of Denmark, to hide the fact that 50 per cent. of the concentrated ration of her dairy herds was composed of sunflower-seed cake, imported from the Argentine, etc. This fact raises the particular subject of the present article.

Overcoming Post-war Shortage

Since it has been officially announced that the post-war shortage will be in vegetable oils, and that this shortage may hit the United Kingdom, as a country formerly dependent on imports, very hard, it is obvious that consideration must be given to how far the country can produce her own needs. There appear to be only two oilseed crops that can be grown economically in this country: sunflower and linseed, though successful attempts have, in some cases, been recorded with soya bean. Linseed does not produce a truly edible oil of any class, while soya bean has been shown to be a very temperamental crop and far inferior in yield per acre to sunflower.

Superiority of Sunflower

Seeing that sunflower has long been a flourishing inhabitant of British gardens, it seems curious that, for political or other reasons, a leaf was not only not taken out of the Danes' book, and it was not grown as a commercial crop long before the war. It is still more curious that although, shortly after the outbreak of war, experiments to find the most suitable varieties of sunflower for farm crops in Britain were being made by the Imperial College of Science and Technology (which experiments were later extended under grant from the Ministry Agriculture to the Agricultural Resea Council), the Ministry should have stat when suggestions were made to it as to t possibilities of this crop as a war-ti relief measure, that sunflower was a cr unsuitable for this climate, that other cro were more important, and that there w no machinery in the country capable dealing with the oil.

However, the position is now chang since not only have the necessary variet been found and grown successfully in lar acreages over many parts of England duri the past three years, but the Ministries Agriculture and Food have at last visu ised sunflower as a crop to be promoted f the needs of the difficult post-war years.

Suitable for all Soils

Sunflower has been successfully grown all soils in this country that will grow oth crops successfully, and the average yiel obtained here are higher than those in ar other country in terms of seed per acr while the oil content is well up to wor average, reaching between 30 per cent. ar 36 per cent. for the varieties at prese being grown. On the other hand, yiel have been obtained on trial plots far i excess of those of other countries. Thoug it was necessary, on account of the vagari of the British climate and the impossibilit of allowing the majority of such crops t dry out naturally on the field, to mak experiments in the artificial drying of sur flower, which has not been necessary i other countries, a considerable advance ha been made in this direction in a matter c only two seasons. Mechanical-combin harvesting, as practised in South America Canada, etc., has already been shown to b a possibility here in the drier and earlie districts, such as South and South-eas England and East Anglia. Progress als being made in the adaptation of othe machinery for mechanical harvesting, wit separate means of threshing the seed—th latter technique being far advanced—give promise of sunflowers becoming, from th grower's point of view, a useful crop, wit a minimum of labour and risk.

Good Returns from Seed

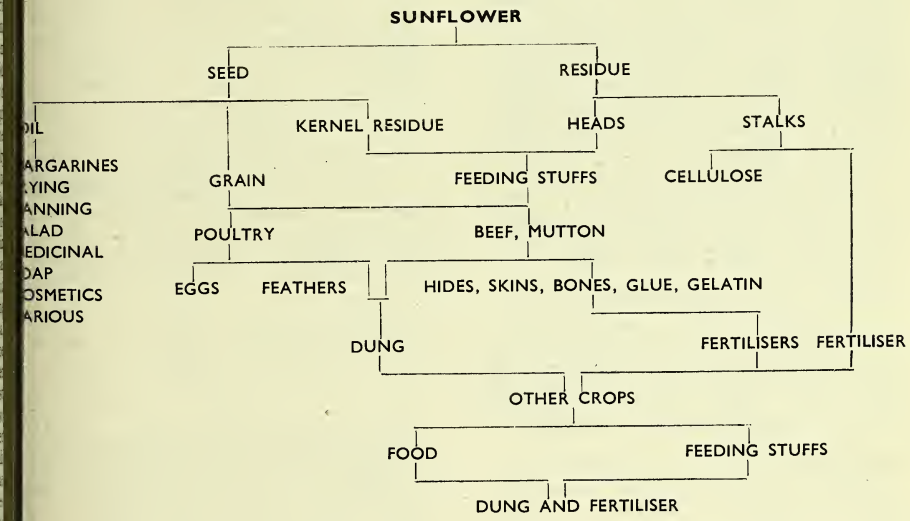
Apart from its adaptability to soil an climate, sunflower is remarkably free from disease and insect pests; and seeing that

y 10 lb. of seed per acre can well give a ld of 1 ton, the returns are remarkably couraging compared with those of most ner crops. Looked at from another angle, e introduction of any new major crop is luable to both the market gardener and riculturist, because so much land is lay no longer, owing to inherent disease d certain pests in the soil, suitable for tain crops, so that an addition to the tation is welcome and opportune. Add this the fact that sunflower thrives best land not supplied with artificial in-ganic manures, flourishes on reasonably rtile soil, and at most needs only natural anure, and it is seen to be cheap in actual st of cultivation. In the early stages, nflower is remarkably frost-resistant. Of urse, certain varieties suitable to the mate, with its rather short season and wer late-summer temperature than that und in the Argentine, Rhodesia, etc., ve had to be selected. For this purpose e choice has fallen on the dwarf and semi-varf types, which require only a season of some sixteen to twenty weeks, against the twenty-eight weeks of the more usually-grown giant sunflower; but the semi-dwarf varieties not only give as high a yield, or even an higher one, but give far less trouble in harvesting or threshing than giant kinds.

Oil and Feeding Cake

Primarily, of course, sunflower is grown for the oil from the seeds, an oil which is equal in all respects (flavour, appearance, quality and feeding value) to the finest olive oil. Being of a semi-drying nature, due to the presence of some linolenic acid, the oil has a tendency to form a film on the surface, but against this its congealing point is far lower than that of olive oil. But it is not the oil alone which renders sunflower such a valuable crop. From the residues of the kernel, after oil extraction, a feeding-cake rich in protein and oil, which is a prime feed for dairy cattle as well as for the production of beef and mutton, is made. The seed is an almost balanced ration for

PLAN SHOWING DIRECT AND INDIRECT GAINS RESULTING FROM THE GROWING OF SUNFLOWER CROPS IN BRITAIN



OTES ON PLAN.—For every million head of cattle slaughtered abroad of which the products re imported into Britain, 160,000 tons of dung and much residual fertiliser of an organic ature are lost. For every million pounds of butter imported 2,000 tons of dung are lost. he same loss applies to imported mutton, eggs and all dairy products. The fertility of the nd is thereby decreased, there are fewer and less nourishing crops, more shipping space s used for the importation of fertilisers, many of which are inorganic and detract rather han add to the fertility of the soil. The growing of sunflower crops would save shipping, mprove health and encourage land fertility. Its advantages are discussed in the article.

poultry, on account of the high protein content, especially in winter.

Importance of Home Supplies

As it is estimated that there is a shortage of some 2,000,000 head of dairy cattle in this country to give a sufficiency of milk and dairy produce necessary to maintain a reasonable health standard, the importance of such a home-produced supply of feeding-stuffs becomes immediately apparent. From the deseeded heads and other thresher residues, feeding meals for stock and poultry can also be made. Such meals have consistently been produced in Southern Rhodesia, and samples made in Britain show some 11 per cent. protein and 6 per cent. oil. A method of producing cellulose from the stalks has recently been found in Hungary. Additionally, it seems almost certain that the resins of the heads, after seed extraction, can be put to medicinal uses. The spread of sunflower cultivation in Britain, apart from relieving shipping and the export of capital, will result in a valuable source of oil for margarines, canning, frying, etc., as well as for paints, varnishes, cosmetics and many other purposes. The crop not only adds to the country's vegetable oils and livestock, with all their subsidiary produce, but finally tends to increase the fertility of the soil, and so makes Britain more self-supporting in all respects. With all its ramifications for the benefit, not only of industry, but of the nation as a whole, the cultivation of sunflower should be heartily supported in a practical manner, especially by members of all trades which will benefit thereby, until, like sugar-beet and flax, the crop becomes firmly established in British agriculture.

Sunflower Figures and Analyses

Since analyses must necessarily vary with variety, local conditions of soil, climate and even methods of cultivation, no rigid figures can be given. The following, taken from official reports in various countries, however, give a good picture—

PROPORTION OF HUSK TO KERNEL (Dried seed)

This is an extremely variable figure, owing partly to variety of seed grown and partly to soil:—

Extreme range	40–60 per cent.

OIL CONTENT OF KERNEL

Argentine	35–45 per cent.
Canada	45–50 ,,
Great Britain	30–36 ,,

The above figures are by laboratory extraction, but the British figure should give a commercial extraction of 25–30 per cent the extraction rate being lowered if the see is not previously decorticated.

DESEEDED HEADS

	RHODESIA	UNITED STATES
Water	11·73	7·40
Fat (ether extract) ..	3·18	5·07
Protein	8·86	9·91
Carbohydrates.. ..	46·42	39·79
Crude fibre	18·19	18·44
Ash	11·62	19·39

SEED KERNELS

	ARGENTINE		ARGENTINE
Water ..	7·90	Carbohydrates	7·50
Oil	46·42	Cellulose ..	4·80
Proteins ..	29·41	Ash.. ..	4·15

MANURIAL RESIDUE
(Seed only extracted)

	UNITED STATES
Phosphoric oxide	0·98
Potash	28·90
Lime	12·00

WHOLE SEED

	GREAT BRITAIN	RHODESIA
Water	8·00	6·90
Protein (total).. ..	13·00	18·50
Protein digestible ..	11·1	—
Oil (total)	23·6	21·5
Oil digestible	21·2	—
Carbohydrate (total) ..	23·9	—
Carbohydrate digestible	23·1	23·1
Fibre	28·5	—
Ash	3·0	—

Production Control in Small Factories.—The British Standards Institution has produced a 26-page booklet entitled "Production Control in the Small Factory." The second of a series of three booklets on production control, the work is intended mainly for use in factories employing fifty to 200 people, and deals with schedules, records, and documents. An order flow chart is included as an inset. Copies of the booklet may be obtained from the Institution at 28 Victoria Street, London, S.W.1, price 2s. each, post free.

HOUSEHOLD RUBBER GLOVES

E Board of Trade has made an Order noving the restriction, imposed in 1942, the sale of household rubber gloves. nder the restriction, rubber gloves for usehold purposes were obtainable only production of a buying permit.

The effect of the new Order, the Rubber oves (No. 2) Order, is to allow any maining stocks of these gloves to be freely sposed of, but the concession does not note any easing of the rubber situation, r does it mean that the manufacture of usehold rubber gloves is likely to be sumed in the near future. The Ministry Supply, however, holds limited stocks of usehold rubber gloves which it will now ll in accordance with the arrangements r the disposal of surplus Government ocks outlined in the White Paper on sposals policy (see *C. & D.*, 1944. II. 197). y arrangement with the Board of Trade, e Ministry will sell, to wholesalers who rmally dealt in rubber gloves of this kind hen they were freely available, at a price of s. 4d. per doz. pairs (exclusive of purchase x), less 2½ per cent. discount for cash in irty days. Applications should be adressed to the Rubber Control, Empire ouse, St. Martins-le-Grand, London, E.C.1. s the quality of the gloves may vary nsiderably, the Rubber Control will place to the purchasing trader any gloves hich are shown to have been defective at e time of purchase from the Ministry, nd consequently to be unfit for sale, if plication is made within six months of e date of purchase. Should replacement ove impossible, the purchase price paid the Ministry of Supply in respect of the saleable gloves will be refunded.

rices Controlled

After consultation with the Central Price egulation Committee, the Board of Trade as also made a Household Rubber Gloves Maximum Prices) Order, 1944 (S. R. & O., 944, No. 1329), which fixes ceiling prices nd maximum margins of profit for wholelers and retailers. The Order applies to ll houshold rubber gloves, including any hich wholesalers or retailers may have in tock, and is not confined to Government rplus goods. The wholesale margin is 1·22 per cent. on cost, exclusive of purchase ax (17½ per cent. on returns) and the retail argin is 50 per cent. on cost, exclusive f tax (33⅓ per cent. on returns). The ceiling rices will be as follows: WHOLESALE, xclusive of purchase tax, 18s. 7d. doz. pairs, less 2½ per cent. discount for cash in thirty days; RETAIL, inclusive of tax, 2s. 10d. pair. Both Orders came into operation on January 11. Household rubber gloves do not require coupons.

ZANZIBAR CLOVES

THE report of the Clove Growers' Association of Zanzibar for the quarter ended June 30, 1944, states that supplies and exports were as follows:—

SUPPLIES	EXPORTS
Zanzibar produce 1,535,729 lb.	To all destinations: 2,019,513 lb.
Pemba produce 2,647,380 lb.	

Of the total supplies, 750,253 lb. passed through the Zanzibar central market, and 3,432,856 lb. was offered to and purchased by the Association. Destinations and quantities exported were:—

DESTINATIONS	BALES	LB.
Bombay and India ..	7,274	1,028,232
Arabia and Persian Gulf	1,219	170,932
Aden	3,232	452,350
Somalia	82	11,465
Spain	278	39,000
Switzerland	201	28,106
South Africa	210	29,420
Sweden	800	112,000
West Africa	675	94,528
East Africa	28	3,920
South America ..	128	17,920
Australia	226	31,640
Total ..	14,353	2,019,513

In terms of standard bales (140 lb. net) supplies were 29,879 bales and exports 14,353 bales. Of the total exports the Association supplied 1,009,756 lb., or 50 per cent.

CLOVE STEMS AND CLOVE OIL.—Exports of oil during the quarter totalled 104,516 lb.; distillery operations during the twelve months ended June 30, 1944, are summarised in the following statement:—

QUARTER	STEMS USED *lb.*	OIL EXPORTED *lb.*
First	224,447	46,677
Second	1,875,325	119,957
Third	1,703,197	91,805
Fourth	1,446,447	104,516
	5,249,416	362,955

Supplies of stems during the quarter were 854,599 lb.; the distillery absorbed 1,446,447 lb.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represen the prices for wholesale quantities of standard quality. C.i.f. quotations do not includ marine war risk insurance and other abnormal charges payable in the present emergenc

28 Essex Street, W.C.2, January 10

As usual early in the New Year, but little business is passing in the London drug and chemical markets. Some moderate sales to home manufacturers, together with a few export inquiries, appear to be the sum total of trade during the past few days. There have been few changes in prices, most of which are firm. The usual periodical survey of available stocks of drugs and medical products is being made by the Directorate of Medical Supplies. Makers of PHARMACEUTICAL CHEMICALS report a steady trade at unchanged prices. A good demand exists for many items, and the supply position is satisfactory.

Crude Drugs

In view of the relatively stable conditions that have existed in the crude drug markets for some time past, it is difficult to find features worthy of special comment. Home consumers are receiving their regular requirements without much difficulty, although, in a number of instances, the supply position makes business virtually impossible. Cape ALOES is quickly taken up when offers are available. BELLADONNA LEAF continues to be quoted at steady prices, but root is in poor supply. ERGOT remains scarce, but remaining good-quality material is no dearer. GUM ACACIA is firm, but the price is unaltered. A substantial parcel of low-testing Indian HENBANE is available at a cheap rate. JABORANDI is no longer in good supply, but prices are not further advanced. RHUBARB is practically exhausted, and prices would be nominal. Quiet conditions obtain for imported SEEDS. Traders may now obtain from the Ministry of Supply stocks of certain grades of BEESWAX for re-export to approved destinations. Prices and other information may be obtained on application to the Ministry of Supply, Sundry Materials Branch, 8–10 Old Jewry, London, E.C.2.

Essential Oils

There are no price changes to report in essential oils, and business during the week has been small. Prices of ANIMAL OLEINES and STEARINES have been advanced. SYNTHETICS and ISOLATES are unchanged, with demand exceeding available supplies.

Pharmaceutical Chemicals

ATROPINE.—Makers' quotations are steady a the following rates per oz.: ALKALOID, B.P.— 1 oz., 35s.; 4 oz., 34s. 6d.; 25 oz., 34s. SUL PHATE, B.P.—1 oz., 28s.; 4 oz., 27s. 6d.; 25 oz 27s. METHYL BROMIDE and METHYL NITRATE 1 oz., 65s.

BISMUTH SALTS.—As noted last week, SUB GALLATE has been advanced by sixpence per lb to 13s. per lb.

BORIC ACID.—B.P. quality is quoted b makers as follows: Granulated, £70 per ton crystal, £71; powder, £72. Packed in one-cwt bags, delivered carriage paid in Great Britain i one-ton lots and upward. Commercial grade £8 per ton less.

CALAMINE, B.P.C.—Current prices are a follows: 7-lb. lots, 1s. 8d. per lb.; 28-lb. lots 1s. 6d.

CITRATES.—Makers quote POTASSIUM per lb in 28-lb.-1 cwt. lots, as follows (containers i brackets): 3s. 3½d. (1-lb.) 3s. 2d. (4-lb.) 3s. 1d. (7-lb.) 3s. 0½d. (14-lb.); 3s. (28-lb.) IRON AND AMMONIUM (SCALES), B.P., is at 3c per lb. above, and SODIUM is at 1d. per lb below these prices; POTASSIUM and SODIUM POWDER, 1d. per lb. extra.

DEXTROSE.—Current prices per lb., in lot of 28-lb.-1 cwt., are as follows (containers i brackets): 1s. 2¼d. (1-lb.); 1s. 1¼d. (2-lb.) 1s. 0¾d. (4-lb.); 11¾d. (7-lb.); 11¼d. (14-lb.) 10¾d. (28-lb.).

IODINE PREPARATIONS.—Prices per lb. fo the home market are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s.; 28 lb., 9s. 6d. 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smalle quantities, 12s. 6d. SODIUM IODIDE, B.P.— 28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d. 4 lb., 12s. 10d.; smaller quantities, 13s. 8d IODOFORM, B.P.—28 lb., 12s. 10d.; 14 lb 13s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smalle quantities, 17s. 2d. IODOFORM CRYSTALS.— 2s. per lb. above powder prices. IODIN RESUBLIMED, B.P.—112 lb., 10s. 4d.; 28 lb 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d. 4 lb., 13s. 9d.; smaller quantities, 14s. 6d.

MANDELATES.—Makers' quotations are un changed. SODIUM AND CALCIUM.—4 oz., 8 oz and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d. 28 lb. (in 7-lb. packages), 15s. per lb. ne AMMONIUM (50 per cent. solution).—4 oz., 8 oz and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d. 28 lb. (in 7-lb. packages), 7s. 11d. per lb. ne Packages extra and returnable.

VANILLIN.—The agreed prices are unchange as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d. 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb

Crude Drugs

BALSAMS.—*Peru*, steady at 7s. 9d. per lb.; *anada*, 9s. 9d.; *Copaiba* and *Tolu*, unobtainble.

BELLADONNA.—Indian leaf is quoted on spot t 6s. 1d. to 6s. 3d. per lb., according to test. upplies of root are meagre.

BENZOIN.—Demand is good, but supplies are ractically exhausted.

CARDAMOMS.—Spot prices are unchanged, ith business negligible. Current rates are as ollows: Aleppy greens, 5s. 6d. per lb.; Aleppy eed, 6s. 6d.; split seed, 5s. 6d.

ERGOT.—Supplies are scarce. Spot price of ny available good quality material would be s. 6d. per lb.

GUM ACACIA.—Spot price of Kordofan cleaned orts is steady at 80s. per cwt.; bleached, spot, uoted at 185s.; Talha, cleaned, 50s. per cwt., nded.

HENBANE.—Indian, 250s. per cwt.; Russian, 50s.; Egyptian (*muticus*), 75s. A parcel of w-testing Indian is offered at 6d. per lb.

JABORANDI.—In poor supply on spot; price eady at 62s. 6d. per cwt.

NUX VOMICA.—Cochin, spot, steady at 2s. 6d. per cwt.; shipment, 31s. 6d., c.i.f.; Cocnada seed, shipment, 32s. 6d. per cwt., c.i.f.

RHUBARB.—Continues in good demand but ocks are practically exhausted. Price would 13s. 6d. to 14s. per lb., if available.

SEEDS.—No changes have occurred in this ction. Current rates are as follows: CORINDER.—Practically no supplies available; rice nominal at 85s. per cwt. CUMIN.—altese, spot, 105s.; Indian, 100s. DILL.—5s., ex wharf. FENNEL.—Offered at 85s. ENUGREEK.—May be had at 80s. MUSTARD.—ntrolled prices are unchanged.

SENNA.—Alexandrian medium pods are at . per lb.; Tinnevelly, manufacturing grade, d. to 6½d.; hand-picked, 8½d. to 1s.; broken lexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, . 2d.; Tinnevelly, No. 1, 9d. to 10½d.; No. 2, d. to 7½d.; No. 3, 5½d. to 6d.

TURMERIC.—Sound-quality Madras finger ay be obtained on spot at 60s. per cwt.

VALERIAN ROOT.—Indian root, spot, 115s. er cwt.

WAXES.—BEES'.—Supplies continue to be vailable only through members of the Association of Merchant-Distributors of Beeswax, Ltd., the following prices per cwt., delivered at ore U.K., effective from October 16, for ton ts: Madagascar crude, 205s. to 230s.; other rts of crude, 238s. to 245s. (Calcutta sorts navailable); British refined, 275s. to 305s.; ritish bleached slabs, 300s.; British bleached scs, 320s.; Lots of under one ton, at premiums follows: 10–20 cwt., 2s. 6d. per cwt.; 5–10 vt., 5s. per cwt.; 1–5 cwt., 10s. per cwt.; under cwt., at premiums as arranged by Association embers at their discretion. CARNAUBA.—atty grey, 500s. per cwt., ex store, in minimum one-bag lots; shipment, 395s., c.i.f.; Primeira, 530s. per cwt., ex store; shipment, 450s., c.i.f.; medium yellow, nominal; shipment, 440s., c.i.f.; chalky grey, nominal; shipment, 485s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). CANDELILLA.—Under 1 ton, 220s. per cwt.; 1–5 tons, 218s. 6d.; 5 tons and over, 217s. 6d., ex store. OURICURI.—Spot, 325s. per cwt.; shipment, 282s. 6d., c.i.f.

Essential and Expressed Oils

ANISE (STAR).—Small supplies in second hands are reported to be offering at 160s. per lb.

CASTOR.—"Firsts" are officially quoted at £82 per ton, and "seconds" at £80, both naked ex works, in bulk lots.

CITRONELLA.—Ceylon, spot about 21s. per lb.; Java, scarce at approximately 27s. 6d.

CLOVE.—No change in English distillers' prices at 12s. 6d. to 13s. per lb., according to quantity.

EUCALYPTUS.—Oil containing 70 to 75 per cent. cineole would be worth approximately 8s. 6d. per lb., if available.

GINGERGRASS.—Spot, if available, 22s. 6d. per lb.

NUTMEG.—English distillers' price is steady at the recent advance to 35s. per lb., with lower rates for quantities.

OLIVE (edible).—The price charged to the wholesaler by the importer is 25s. 9d. per gallon, ex store. Prices charged by wholesalers to retailers are agreed by the Ministry of Food as follows: 33s. 6d. per gallon, in 1-gallon loan cans; 34s. 3d. per gallon, in ½-gallon loan cans; 35s. per gallon in 1-quart loan cans; 36s. per gallon in 1-pint loan cans.

PEPPERMINT.—Offers of second-hand material are reported at 190s. to 200s. per lb.

RAPESEED.—Officially quoted at £88 per ton, naked ex works.

Synthetics and Isolates.—Supplies of many of these products remain short and are not necessarily available because prices are quoted. In some cases all available stocks are required for essential purposes. AMYL ACETATE.—Pure, about 130s. per cwt.; technical, 109s. per cwt.; small quantities would be worth up to about 2s. per lb. AMYL SALICYLATE.—About 5s. per lb. BROMSTYROL.—100 per cent., about 30s. per lb. BUTYRIC ACID.—About 7s. per lb.; ETHYL BUTYRATE, 7s. per lb. CINNAMIC ALDEHYDE.—Quoted at around 9s. per lb. CITRAL.—Chemically pure, about 47s. 6d. per lb. CITRONELLAL and CITRONELLOL.—Both nominal at 60s. to 70s. per lb. COUMARIN.—Quoted at approximately 17s. 6d. per lb. ETHYL PHTHALATE is not quoted. EUCALYPTOL.—About 13s. per lb. EUGENOL.—Around 18s. 6d. per lb. GERANIOL.—About 80s. per lb., ex palmarosa oil. GERANYL ACETATE.—Approximately 85s. per lb. IONONE.—100 per cent., around 72s. 6d. per lb. ISO-EUGENOL.—About 22s. per lb. RHODINOL.—From African geranium oil, about 150s. per lb.

COMMERCIAL NOTES

Brazilian Timbo Production.—Production of timbo in Brazil during 1942 amounted to 874 tons, valued at 938,000 cruzeiros.

Nicaraguan Drug Exports.—During August 1944, Nicaragua shipped 11,025 lb. of ipecacuanha and 3,879 lb. of balsam of Peru.

Honduras Essential Oils Exports.—About 5,000 lb. of lemongrass oil and 1,200 lb. of citronella oil were exported from Honduras during April 1944.

Canadian Medicines Imports.—Imports of drugs into Canada during August 1944 were valued at $656,000, against $781,000 in August 1943.

Argentine Olive Oil.—Olive oil production in the Argentine during 1943 amounted to 169,087 gall., against 41,141 gall. in the previous year.

Mexican Vanilla Exports.—Exports of vanilla from Mexico in 1940–43 were as follows: 1940, 470,424 lb.; 1941, 573,039 lb.; 1942, 145,980 lb.; 1943, 402,388 lb. The 1944 crop will amount, it is estimated, to 150,000 lb.

Chile Olive Oil.—It is announced that Chile plans to increase production of olive oil by planting two million seedlings on 50,000 acres between 1944 and 1948. Production of olive oil from existing olive groves averages 1,500 short tons, and is expected to reach 10–11,000 tons when the new trees mature. When full production is reached it will exceed domestic requirements by 5,000 tons or more, provided development of other oilseed programmes is maintained. The new project is part of a programme to raise Chilean oilseed production to a self-sufficiency basis.

U.S. Quinine Position.—In 1942 the U.S. Government Foreign Economics Administration began to work with governments of South American countries to stimulate the growth of cinchona trees. Various alkaloids from the bark have been shipped to the United States for medical use, but the supply is not enough to meet current war-time demands. The use of atebrine will continue in the treatment of malaria. No one, said the chief of the cinchona section recently, was in a position to state how long reserve stocks of quinine sulphate would last, because, since the shutting-off of the previous sources of quinine, there has been a rapid spiral in demand for the drug for military, Lease-Lend, and civilian use.

TRADE MARKS

(From "The Trade Marks Journal," December 20, 1944)

Device of dragon; for industrial, scientific, photographic and horticultural chemicals, etc., fire-extinguishing compounds, preservatives (1); soaps, perfumery, essential oils, toilet preparations, cosmetics, dentifrices (3); all goods (5); surgical, medical, dental and veterinary apparatus (10). By Ward, Blenkinsop & Co., Ltd., Wood Road, Halewood, Liverpool. 630,484–88 (All Associated).

"SOMIL"; for industrial chemicals (1). By Technical Products, Ltd., 29 Great St. Helens, London, E.C.3. 630,923.

"FLAVAZOLE"; for pharmaceutical preparations of sulphathiazole compounds (5). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. B628,353 (Associated).

"BIOKARE"; for all goods (5). By R. Demuth, Ltd., 68 Salusbury Road, London, N.W.6. 630,739 (Associated).

"SOX": for atomisers (hand implements) for insecticides (8). By Paton, Calvert & Co., Ltd., 201 Binns Road, Old Swan, Liverpool, 13. B628,365.

"VENDEX"; for combs and brushes (21); hair slides, hair nets (26). By R. Hovenden & Sons, Ltd., 29–33 Berners Street, London, W.1. 630,836–37 (Both Associated).

APPLICATIONS AMENDED AFTER ADVERTISEMENT

According to "The Trade Marks Journal," December 20, 1944, Specification No. 624,632, by William Fletcher, should read: "Medicinal preparations for the treatment of gynæcological disorders, endocrine disturbances, infertility and impotence." Specification No. 628,469, by The Edinburgh Essence Co., Ltd., should read: "Non-alcoholic essences (not being vegetable oils) for making beverages." Specification No. B629,670, by Smith, Kline & French Laboratories, should read: "Pharmaceutical organic substances being sulphonamide compounds for human use."

(From "The Trade Marks Journal," December 27, 1944)

Device of two Egyptian figureheads with peacock's tail and words "Nil Magnum Nisi Bonum" between, and word "Kerfoot" (disclaimed) beneath; for industrial, photographic, scientific, agricultural products, etc., food preservatives (1); perfumes, cosmetics, hair, dental and manicure preparations, bath salts, etc. (3); all goods (5); surgical, medical, veterinary and dental instruments (10); meat, vegetable, and fruit extracts (29); all goods (30); preparations and essences for making beverages (32). By T. Kerfoot & Co., Ltd. Bardsley Vale Mills, Oldham Road, Bardsley. 629,026–32 (All Associated).

"CROSSED KEYS"; for all goods (2 and 5). By B. Laporte, Ltd., Kingsway, Luton, Bedfordshire. 630,663–65 (Both Associated).

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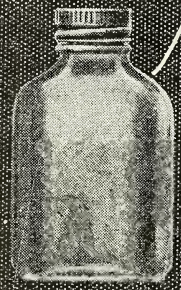

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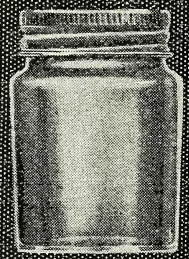

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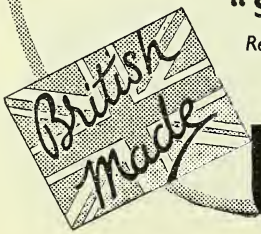

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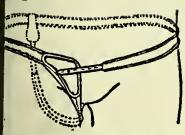

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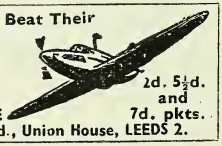

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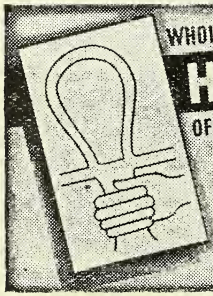

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